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
Welcome to the University of Central Florida — the university that stands for opportunity!

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

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

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

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

Cordially yours,

John C. Hitt
President
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Director, Computer Science and Information Systems ............................ Robert Yankello
Director, Florida-Edward European Linkage Institute ........................... Angel Cardiac
Director, Research Initiative for Teaching Effectiveness ........................ Charles D. Dziuban
Director, University Libraries .................................................... Barry S. Baker

Office of the Vice President for Community Relations

Vice President for Community Relations ........................................ Helen Donegan
Associate Vice President, Campus Outreach ..................................... Cynthia Sucher
Assistant Vice President, Metropolitan Center for Regional Studies ............. Diane Trees
Assistant Vice President, Presidential Events ..................................... Glenn A. Glowa
Assistant Vice President, Regional Outreach ..................................... Karen Jans
Director, Community Relations .................................................... Maritza Martinez
Director, Constituent Relations .................................................... Mark Gumble
Director, Diplomacy Program ..................................................... Ambassador Harriet Elam-Thomas
Director, Global Perspectives ..................................................... John Beria

Office of the Vice President for Student Development and Enrollment Services

Vice President for Student Development and Enrollment Services ............................... Maribeth Ehasz
Associate Vice President ................................................... Gerald A. Patton
Associate Vice President ................................................... Sharon L. Ekern
Associate Vice President ......................................................... DeLaine Priest
Assistant Vice President, Regional Campus Student Services .................. A. J. Range
Assistant Vice President, Director, First Year Advising .............................. Brandon T. Dabney
Assistant Vice President, Director, Office of Budget & Exploration ............... Vicky Brown
Association Vice President, Director, Office of Student Rights and Responsibilities, and Student Legal Services ............................... Patricia A. Mackown
Executive Assistant, Office of Budget & Exploration ................................. Ryan Moseley

Office of the Governor

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Executive Assistant, Office of Budget & Exploration ................................. Ryan Moseley

Office of the Provost and Executive Vice President for Academic Affairs

Provost and Executive Vice President for Academic Affairs ............................ Terry L. Hickey
Vice Provost, Academic Administration .......................................... J. Edward Neighbor
Vice Provost, Academic Affairs .................................................. Diane Z. Chase
Vice Provost, Dean, College of Graduate Studies ................................ Patricia J. Bing
Vice Provost, Information Technologies and Resources ............................ Joel L. Hartman
Vice Provost, Regional Campuses ............................................... David T. Harrison
Associate Provost, General Counsel ............................................. Sheryl Andrews
Assistant Vice President, Academic Affairs Administration .................... Lynn J. Gonzalez
Assistant Vice President, Faculty Relations ....................................... Lin Hoff-Cortez
Assistant Vice President and Director, Continuing Education ..................... J. Patrick Wagner
Assistant Vice President, Internationalization .................................... Consuelo E. Stebbins
Associate Vice President, Central Region, Regional Campuses ............... David J. Mezőr
Assistant Vice President, Eastern Region, Regional Campuses ................. Linda Bradley
Associate Vice President, Southern Region, Regional Campuses ............... Denise Young
Assistant Vice President, Western Region, Regional Campuses ................. Cecilia R. H. Rivers
Assistant Vice President, Executive Director, Academic Initiatives .......... Bernard Jensen
Assistant Associate Vice President, Strategic Planning ........................ Doan T. Medicans
Director, Center for Distributed Learning ....................................... Thomas Cavanagh
Director, College of Liberal Arts and Sciences .................................. TBA
Director, Instructional Resources ................................................... TBA
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<table>
<thead>
<tr>
<th>Summer 2009</th>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
<th>Session D</th>
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<tbody>
<tr>
<td></td>
<td>May 18 - June 26</td>
<td>June 29 - August 7</td>
<td>May 18 - August 7</td>
<td>May 18 - July 17</td>
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<td></td>
<td>6 Weeks</td>
<td>6 Weeks</td>
<td>12 Weeks</td>
<td>9 Weeks</td>
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<tr>
<td>Application Deadline for All New Undergraduate</td>
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<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
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<tr>
<td>Application Deadline for Readmission</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
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<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>April 15</td>
<td>April 15</td>
<td>April 1</td>
<td>April 1</td>
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<tr>
<td>Graduation Application (Online Intent to Graduate on myUCF)</td>
<td>Mar. 9 - Apr. 27</td>
<td>Mar. 9 - Apr. 27</td>
<td>Mar. 9 - Apr. 27</td>
<td>Mar. 9 - Apr. 27</td>
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<tr>
<td>Registration for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>May 15</td>
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<td>May 15</td>
<td>May 15</td>
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<tr>
<td>Registration for Senior Citizen Audits and STEP (begins 3:30 p.m.)</td>
<td>May 15</td>
<td>June 26</td>
<td>May 15</td>
<td>May 15</td>
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<tr>
<td>On-campus Housing opens (1:00 p.m.)</td>
<td>May 17</td>
<td>June 27</td>
<td>May 17</td>
<td>N/A</td>
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<tr>
<td>Classes begin</td>
<td>May 18</td>
<td>June 29</td>
<td>May 18</td>
<td>May 18</td>
</tr>
<tr>
<td>Late Registration* on myUCF (ends at 11:59 p.m. on last day)</td>
<td>May 18-22</td>
<td>June 29 - July 2</td>
<td>May 18-22</td>
<td>May 18-22</td>
</tr>
<tr>
<td>Drop Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 21</td>
<td>July 1</td>
<td>May 21</td>
<td>May 21</td>
</tr>
<tr>
<td>Last Day for Full Refund on myUCF (ends at 11:59 p.m.)</td>
<td>May 21</td>
<td>July 1</td>
<td>May 21</td>
<td>May 21</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 22</td>
<td>July 2</td>
<td>May 22</td>
<td>May 22</td>
</tr>
<tr>
<td>Fees Due*</td>
<td>May 29, 2009 - Students registering from 3/23/09 through 5/22/09</td>
<td>July 10, 2009 - Students registering for Summer B only 5/23/09 through 7/02/09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 5</td>
<td>July 17</td>
<td>June 26</td>
<td>June 19</td>
</tr>
<tr>
<td>Withdrawal Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 5</td>
<td>July 17</td>
<td>June 26</td>
<td>June 19</td>
</tr>
<tr>
<td>CLAST test (register by May 8)</td>
<td>June 6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VA Deferral Payment Deadline</td>
<td>July 24</td>
<td>July 24</td>
<td>July 24</td>
<td>July 24</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td></td>
<td>June 26</td>
<td>August 7</td>
<td>July 17</td>
</tr>
<tr>
<td>Final Examination Periods</td>
<td></td>
<td>Given during last class meeting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-campus Housing close (noon)</td>
<td>June 27</td>
<td>August 8</td>
<td>August 8</td>
<td>N/A</td>
</tr>
<tr>
<td>Grades Due on myUCF</td>
<td>July 1</td>
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<td>August 12</td>
<td>July 22</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>July 2</td>
<td>August 14</td>
<td>August 14</td>
<td>July 23</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 8</td>
<td>August 8</td>
<td>August 8</td>
<td>August 8</td>
</tr>
</tbody>
</table>

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

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

1 Ends at 5:00 p.m. on the last day.
2 Summer B payment deadline for all students who register March 23 - May 22; Summer B payment deadline for all students who register May 23 - July 2.
3 $100 Late Registration Fee applies to students who enroll following the close of Registration or who enroll for the first time that term during Late Registration.
4 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
5 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.
6 Summer Final Exams are given during the last class meeting.

### University Holidays and Special Events

- **Memorial Day Holiday** . . . . . . . . . . . . . . . . . . . . . . . . . . . . May 25, 2009
- **Independence Day Holiday** . . . . . . . . . . . . . . . . . . . . . . . . . . . . July 3, 2009
## 2009 - 2010 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2009</th>
<th>Spring 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2009</td>
</tr>
<tr>
<td>Application Deadline for All New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2009</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2009</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>October 30, 2009</td>
</tr>
<tr>
<td>Registration(^1,^2) on myUCF</td>
<td>March 23 - August 23</td>
<td>Mar. 23, 2009 - Jan. 10 and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oct. 26, 2009 - Jan. 10^4</td>
</tr>
<tr>
<td>Graduation Application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Online Intent to Graduate Form for Undergraduates on myUCF)</td>
<td>June 22 - August 7</td>
<td>October 19 - December 7, 2009</td>
</tr>
<tr>
<td>Housing Payment Due</td>
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</tr>
<tr>
<td>Registration time for State Employees, UCF Employees,</td>
<td>August 21</td>
<td>January 8</td>
</tr>
<tr>
<td>Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits, and STEP (begins 3:30 p.m.)</td>
<td>August 21</td>
<td></td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 24</td>
<td></td>
</tr>
<tr>
<td>Late Registration(^1,^2) on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 24-28</td>
<td></td>
</tr>
<tr>
<td>Drop Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td></td>
</tr>
<tr>
<td>Last Day for Full Refund on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td></td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 28</td>
<td></td>
</tr>
<tr>
<td>Payment deadline(^1)</td>
<td>September 4</td>
<td>January 22</td>
</tr>
<tr>
<td>CLAST Test (register by Sept. 4 - Fall / Jan. 22 - Spring)</td>
<td>October 3</td>
<td>February 20</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 12-23</td>
<td>October 12-23, 2009</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes</td>
<td>October 16</td>
<td>March 5</td>
</tr>
<tr>
<td>(ends at 4:00 p.m.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 16</td>
<td>March 5</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 16</td>
<td>May 5</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline(^1)</td>
<td>November 20</td>
<td>April 2</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete(^3)</td>
<td>December 7</td>
<td>April 26</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 8-14</td>
<td>April 27 - May 3</td>
</tr>
<tr>
<td>On-campus Housing Closes (noon)</td>
<td>December 15</td>
<td>May 4</td>
</tr>
<tr>
<td>Grades Due on myUCF (noon)</td>
<td>December 17</td>
<td>May 6</td>
</tr>
<tr>
<td>Degree Confirmed</td>
<td>December 18</td>
<td>May 7</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 18-19</td>
<td>May 7-8</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 19</td>
<td>May 8</td>
</tr>
</tbody>
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All undergraduate degree-seeking students are required to attend Orientation prior to registration. Information on Orientation is mailed to all students upon acceptance to the University. If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity Initiatives (12424 Research Parkway, Suite 169) at 407-823-6479.

\(^1\) $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.

\(^2\) $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.

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

\(^4\) Under the Multiple Term Registration procedure, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2009, Fall 2009 and Spring 2010 beginning March 2, 2009. Registration for these students will begin on or after March 23. All other eligible students will receive their registration times beginning October 12 and Spring registration for these students will begin on or after October 26.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>Sept. 7, 2009</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>November 9-14, 2009</td>
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<tr>
<td>Veteran’s Day Holiday</td>
<td>November 11, 2009</td>
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<tr>
<td>Thanksgiving Holiday</td>
<td>November 26-28, 2009</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 18, 2010</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 8-13, 2010</td>
</tr>
<tr>
<td>Founders Day Honors Convocation (classes still held)</td>
<td>April 7, 2010</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the Web Enrollment Guide and online Academic Calendar ([http://www.registrar.sdes.ucf.edu/calendar](http://www.registrar.sdes.ucf.edu/calendar)) for information.
Undergraduate Academic Policy Statement
The University of Central Florida, may change any of the announce-
ments, information, policies, rules, regulations, or procedures set forth in
this Undergraduate Advising Guide and the Undergraduate Catalog.
The Undergraduate Catalog is published online once a year and can-
not always reflect new and modified regulations. Statements in this
Undergraduate Advising Guide and the Undergraduate Catalog may
not be regarded in the nature of binding obligations on the institution or
the State of Florida and use of alcohol is harmful and prohibited and
against the curricular needs of students, limited resources may prevent the
University from offering all required courses in each semester or in day
and evening sections.

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

Non-Discrimination Policy
(including sexual harassment)

The University of Central Florida values diversity in the campus commu-
nity. Accordingly, discrimination on the basis of race, sex, national origin,
religion, age, disability, marital status, parental status, veteran’s status,
and sex orientation is prohibited.

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

Sexual harassment is strictly prohibited. Occurrences will be dealt with in
accordance with the guidelines above and University rules. Employees,
students, or applicants for employment or admission may obtain further
information on this policy, including grievance procedures, from the
Equity Coordinator. The Director of the Office of Equal Opportunity and
Affirmative Action Programs is the campus Equity Coordinator respon-
sible for concerns in all areas of discrimination. The office is located on
the Orlando campus, in Millican Hall 330, Orlando, FL 32816-0030. The
phone number is 407-UCF-1100. Policies and guidelines are available
online at http://www.ucf.edu/eoe/.

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

Campus Alcoholic Beverages Policy

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

Guidelines

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

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

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

Student organizations may develop more stringent regulations regard-
ing alcohol use.

Locations

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

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

The serving, possession or consumption of alcohol by individuals of
legal age may be permitted in private residential rooms in the residence
halls, but other on-campus or affiliated housing unless otherwise pro-
hibited by the governing organization. Consumption of alcoholic bever-
ages 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 served 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, begin-
ing and ending times, and location of event; number in attendance and
method of registering guests; method of designation for those of age/
der underage; contained area where alcohol consumption is 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 Bevers 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 shall take the steps outlined above
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:

Academic Behavior Standards

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

- Cheating, whereby non-permissible written, visual, electronic or oral
  assistance including that obtained from another student is utilized or
  properly credit ideas or materials taken from another has plagia-
- Plagiarism, whereby another’s work is used or appropriated with-
  out any indication of the source, thereby attempting to convey the
  impression that such work is the student’s own. Any student failing to
  properly credit ideas or materials taken from another has plagia-
- Commercial Use of Academic Material: Selling notes, handouts,
  etc. without authorization or using them for any commercial purpose
  without the express written permission of the University and the
  Instructor is a violation of this rule.

Note: A student who has assisted another in any of the aforementioned
breach of standards shall be considered equally culpable. In cases of
cheating or plagiarism, the instructor may take appropriate academic
action ranging from loss of credit for a specific assignment, examination,
or project to removal from the course with a grade of “F.” Additionally,
the instructor may request disciplinary action through the Office of Student Rights and Responsibilities as outlined in The Golden Rule.

Student Use of Technology

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

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

The University of Central Florida has developed one of the nation's most advanced campus technology environments, and all UCF students are provided free Knight's E-mail accounts and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adapter. Recommended configurations can be found on the University's Web site at http://cstore.ucf.edu/page.cfm/recommendations.html.

Undeclared Policy

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

Student Responsibility for University Communication

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

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

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

Complaint Policy

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

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

Accreditation

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

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

<table>
<thead>
<tr>
<th>College/Discipline</th>
<th>Accrediting Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts and Humanities</td>
<td>Music, Music Education</td>
</tr>
<tr>
<td>Business Administration</td>
<td>National Association of Schools of Music (NASM)</td>
</tr>
<tr>
<td>Engineering and Computer Science</td>
<td>Accrediting Body</td>
</tr>
<tr>
<td>Aerospace, Civil, Computer, Electrical,</td>
<td>Accredited by the Engineering</td>
</tr>
<tr>
<td>Environmental, Industrial, Mechanical</td>
<td>Accreditation Commission of ABET,</td>
</tr>
<tr>
<td>Engineering Technology - Electrical</td>
<td>111 Market Place, Suite 1050, Baltimore, MD 21202-4012,</td>
</tr>
<tr>
<td>Systems Concentration</td>
<td>and Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Engineering Technology and Electrical</td>
<td>Accredited by the Technology</td>
</tr>
<tr>
<td>Management</td>
<td>Accreditation Commission of ABET,</td>
</tr>
<tr>
<td>Engineering and Computer Science</td>
<td>111 Market Place, Suite 1050, Baltimore, MD 21202-4012,</td>
</tr>
<tr>
<td>Respiratory Care</td>
<td>and Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Health and Public Affairs</td>
<td>Accreditation Commission of ABET,</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>111 Market Place, Suite 1050, Baltimore, MD 21202-4012,</td>
</tr>
<tr>
<td>Health Information Management</td>
<td>and Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Radiologic Sciences</td>
<td>Accredited by the Technology</td>
</tr>
<tr>
<td>Accreditation</td>
<td>Accreditation Commission of ABET,</td>
</tr>
<tr>
<td>Social Work</td>
<td>111 Market Place, Suite 1050, Baltimore, MD 21202-4012,</td>
</tr>
<tr>
<td>Hospitality Management</td>
<td>and Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Hospitality Management</td>
<td>Accreditation Commission of Programs in Hospital</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>Administration (ACPHA)</td>
</tr>
<tr>
<td>Nursing</td>
<td>Accreditation Commission of Programs in Hospital</td>
</tr>
</tbody>
</table>
| Education Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.

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 Admissions Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.
Online@UCF provides opportunities for students to enroll in credit courses and select degree and certificate programs delivered over the Internet. The instructional design of these courses maintains a high-quality learning environment for nontraditional and campus-based students.

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

Web-related instruction modes are: WORLD WIDE WEB (W): These courses conducted fully via Web-based instruction and collaboration. Courses may require proctored examinations, and may include opportunities for face-to-face orientations, but there will be no regular class attendance requirements.

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

These types of courses will require access to the Internet, Web-browsing knowledge, ability to use e-mail, and basic computer skills such as word processing. Students can also expect to encounter similar Internet requirements in any course offered by UCF, regardless of the specified mode of instruction. For information about degree and certificate programs available online, visit http://online.ucf.edu or write to online@ucf.edu.
University of Central Florida/Campuses

Central Region
UCF West Orlando, UCF South Orlando, UCF Osceola
Director, Academic Support Services .......................... Edgar Martinez
Coordinator, Academic Support Services .................. Carolyn Obexer
Coordinator, Academic Support Services ................. Nick Pantonio
Coordinator, Academic Support Services ................. Lisa Cruz
Coordinator, Enrollment Services .......................... TBA
Coordinator, Regional Campus Enrollment Services (Financial Aid) .................. Shellie Thomas-Small

Eastern Region
UCF Daytona
Assistant Vice President and Director, Daytona Beach Campus .................. Linda Bradley
Associate Director, Academic Support Services ........... Tena Harris
Director, Regional Campus Student Services .............. Diana Weidman
Assistant Director, Enrollment Services ................... Raphel Robinson
Senior Staff, Registrar/Offices/Services ..................... Ann Edgecombe
Coordinator, Financial Aid .................................. Heidhi Shaw
Coordinator, Academic Support Services ................. Tina Davis
Coordinator, Academic Support Services ................. Darryl Greely
Coordinator, Academic Support Services ................. Kevin Snyder
Coordinator, Computer Technology ......................... Jason Mayer

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

Southern Region
UCF Cocoa, UCF Palm Bay
Associate VP Academic Affairs and Interim Campus Director, Cocoa/Palm Bay .................. Denise Young
Director, Academic Support Services ....................... Lauren Miller
Director, Regional Campus Student Services ............... Terry Exum
Coordinator, Regional Campus Student Services James C. Smith, Jr.
Assistant Director, Enrollment Services ..................... TBA
Assistant Director, Academic Support Services ........ Marilyn Borges
Coordinator, Academic Support Services ................... Jackie West-Lee
Coordinator, Academic Support Services ................... Michelle Camden
Computer Specialist ........................................... Russell Crudgington

Western Region
UCF South Lake, UCF Ocala, UCF Leesburg
Assistant Vice President, Academic Affairs .................. Cecelia Rivers
Associate Director, Academic Support Services ........ Tanya Armstrong
Director, Regional Campus Student Services .............. Pamela Brady
Assistant Director, Regional Campus Enrollment Services .................. Christy Pasnisin
Coordinator, Regional Campus Enrollment Services ........ TBA
Coordinator, Academic Support Services ................... Selena Forrester
Coordinator, Academic Support Services ................... Robyn Tinsley
Coordinator, Academic Support Services ................... Bethany Larson
Coordinator, Academic Support Services ................... Scott Larson
Coordinator, Computer Technology ........................... Mei Wong

UCF Cocoa
321-433-7823
(In partnership with Brevard Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, and Supervision and Administration
Aerospace Engineering (3rd year B.S.A.E.) College of Engineering and Computer Science
Business Administration (B.A.) College of Business Administration
Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education
Engineering Technology: Operations (B.S.E.T.) College of Engineering and Computer Science
Exceptional Student Education (B.S.) College of Education
History (B.A.) College of Arts and Humanities
Interpersonal/Organizational Communication (B.A.) College of Sciences
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Mathematics Education (B.S.) College of Education
Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
Social Science (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

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

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

UCF Daytona
386-506-4021
(In partnership with Daytona Beach College)

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

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

UCF Heathrow
407-531-5450
(In partnership with Seminole County Community College)
Graduate Degree Programs
Industrial and Organizational Psychology (M.S.) College of Sciences (Cohort)
Reading Education (M.Ed.) College of Education (Cohort)
This location also provides junior and senior level course work contributing to undergraduate degrees. Please check the schedule for course offerings.

UCF Leesburg
352-536-2113
(In partnership with Lake Sumter Community College)
Undergraduate Degree Programs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Nursing (R.N. to B.S.N.) College of Nursing
Undergraduate Minors
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Ocala
352-854-2322, ext. 1818
(In partnership with Central Florida Community College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Early Childhood Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education
Undergraduate Minors
Business (for non-business majors)
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Osceola
407-856-6585
(In partnership with Valencia Community College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (limited in scope, see an advisor for details)
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education
Undergraduate Minors
Business (for non-business majors)
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Palm Bay
321-433-7995
(In partnership with Brevard Community College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Early Childhood Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education
Undergraduate Minors
Business (for non-business minors)
Criminal Justice
Early Childhood Education
English - Writing
Health Services Administration
History
Legal Studies
Organizational Communication
Math
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Sanford/Lake Mary
407-328-2471
(In partnership with Seminole Community College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, Supervision and Administration
University of Central Florida/Campuses

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

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

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

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

Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Sports and Fitness (B.S.) College of Education
Social Science Education (B.S.) College of Education

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

UCF South Orlando
407-856-6585
7300 Lake Ellenor Drive, Orlando, FL 32809
This location provides junior and senior level course work contributing to undergraduate degrees. Please check the schedule for course offerings.

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

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

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

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

General Regional Campus information:
Web site: http://www.regionalcampuses.ucf.edu
Programs are offered via multiple delivery methods: web, video-streaming, face-to-face, and ITV. Delivery methods vary by location.
Bachelor of Applied Science: A degree option for transfers with an Associate of Science degree. Availability of tracks varies by location.

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

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

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

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

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

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

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

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

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

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

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

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

SunTrust, N.A. Eminent Chair in Banking for Teaching Excellence: Created in 1989 to attract a nationally or internationally prominent expert in banking with a strong commitment to undergraduate, graduate, and executive education. Chair: TBA.

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

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

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

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

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

Kenneth G. Dixon Eminent Scholar Endowed Chair in Accounting: Created in 1992 as a key component of the Dixon School of Accounting. Chair: TBA.

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

University Ombuds Office

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

Office of Undergraduate Studies

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

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

Academic Services

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

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

International Services Center

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

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

UCF Public Safety and Police
Chief: Richard Beary; Building #49, Libra Drive; 407-823-5242
http://www.police.ucf.edu/

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

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

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

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

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

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


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

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

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

Associate Director for Administrative Services: Frank R. Allen; LIB 512; 407-823-2892
Associate Director for Public Services: Meg K. Scharf; LIB 512; 407-823-2544
Assistant Director for Systems & Technology: Selma K. Jaskowski; LIB 512; 407-823-5444


University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.9 million volumes, 18,000 journal subscriptions, 3 million microforms and 47,000 media titles. The Libraries’ rapidly growing electronic resources include 358 databases, 197,000 electronic books, and 11,500 electronic periodicals. UCF Libraries is a partial depository for United States, Florida government publications and U.S. patents and trademarks.

The main library is open 105 hours per week. Operating hours are available on the Web site: http://library.ucf.edu or by calling 407-823-2756. Over 220 computer workstations are available for public use on all five floors of the main campus Library. Forty laptops equipped with wireless cards can be checked out for use anywhere in the library building. Wireless technology enables patrons who have laptops with wireless cards to connect to the Libraries’ electronic resources and to the Internet from anywhere in the building. Twenty eight group study rooms are available. The reference desk is open Monday through Friday, during office hours or visit the ILL Web site.

UCF Libraries, the Libraries’ newest learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed caption television, and a browsing collection for leisure reading.

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

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

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

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

The Curriculum Materials Center (CMC), a unit of University Libraries, is located in the College of Education Building (COE). The CMC provides representative K-12 curriculum materials for preview, review, analysis and circulation. The CMC primarily serves COE students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC web page at http://library.ucf.edu/cms or call 407-823-2791.
The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management in the heart of the tourist corridor on Universal Boulevard. Though the facility primarily serves the students, faculty, and staff of the Rosen College, the library is open to the entire UCF community as well as to hospitality industry professionals. The Library is fully staffed and users have access to most of the services and resources provided by the main campus library. For additional information go to http://library.ucf.edu/Rosen or call: 407-903-8100.

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

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

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

The Office of Instructional Resources (OIR) supports UCF with multimedia design and production, digital media, Webcasting, video streaming, interactive video course delivery (ITV), video production, digital photography, graphics, and a full range of multimedia classroom support services. OIR’s Faculty Multimedia Center (CL 1 202) provides multimedia production and training for faculty members. OIR’s interactive video classroom (CL 320) is used for videoconferencing and ITV course origination. OIR supports more than 490 advanced multimedia classrooms throughout UCF. Approximately 95% of all classrooms at UCF are multimedia equipped.

OIR also provides videoconferencing services, All Regional Campus sites, the Center for Distributed Learning in the Partnership II building, the Rosen College campus, and several locations on the Orlando campus have videoconference rooms. Contact OIR for further details at http://www.oir.ucf.edu/ or 407-823-2571.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The theater has achieved a position of national recognition, attracting artists from across the country. The theater has been featured in national publications such as Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. The third year of UCF’s Acting MFA in Theatre is spent in residence at the theater. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. $10 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700. For internship information and other questions, contact Artistic Director Jim Helsinger.

UCF Alumni Association
Executive Director: Tom Messina; FAIRWINDS Alumni Center; 407-UCF-ALUM (823-2586) or 800-330-ALUM (330-2586) http://www.ucfalumni.com

The University of Central Florida Alumni Association develops and maintains alumni awareness and supplies the resources for members to stay connected. While UCF alumni comprise the core member group, membership in the UCF Alumni Association is offered during all phases of UCF life. Students can join the 4EVER KNIGHTS (4EK) Student Alumni Association and parents of UCF students can stay connected through parent memberships with the alumni association. Membership in 4EK provides many benefits, including:

- FREE STUFF - membership key card, Student Connection newsletter and discounts including 15% off all UCF logo merchandise at the UCF Bookstores
- FUN - Family Weekend, BBQ's, Homecoming, Oozeball and more
- CONNECTIONS - Networking with UCF students & alumni
- LEADERSHIP OPPORTUNITIES - Eligible to become a student ambassador
- SCHOLARSHIP OPPORTUNITIES - the alumni association awards more than $40,000 in scholarships to eligible UCF students every year.

To join the UCF Alumni Association as an alum, student or parent member, or for more information, stop by the UCF Alumni Association at the FAIRWINDS Alumni Center; call 407-UCF-ALUM (823-2586); toll-free 800-330-ALUM (330-2586); or connect anytime at http://www.ucfalumni.com.

UCF Foundation, Incorporated
The UCF Foundation, Incorporated is a non-profit, tax-exempt corporation directed by a 44 member community-based Board of Directors that encourages, solicits, receives, and administers private gifts and bequests of property and funds for scientific, educational, and charitable purposes. All gifts to UCF are received and processed through the UCF Foundation for support of the University. Call 407-882-1220 for additional information.
Office of the Vice President for Strategy, Marketing, Communications, and Admissions (SMCA)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Student Outreach Programs
Director: Rhonda Hall; Orlando Tech Center, 12479 Research Parkway, Suite 301, Orlando 32826; 407-823-5580
http://www.reachout.ucf.edu

The primary mission of Student Outreach Programs is to attract, motivate, and prepare underrepresented students from the local area...
resources & departments

Division of Strategy, Marketing, Communications, and Admissions

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

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

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

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

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

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

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

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

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

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

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

University Marketing works with UCF clients to reach their goals through counsel and development of important, reputation-building materials.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This office provides the Vice President and units of Student Development and Enrollment Services assistance in assessment, research and planning functions. The office also is responsible for the development of division-wide publications.
Career Services
Director: Lynn Hansen; FC 185; 407-823-2361
http://www.career.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 specialists. 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
- Job Search Strategies
- Employment Assistance (Career Fairs, On-Campus Recruiting, Job Postings and Resume Referrals)
- Graduate School Information

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

Counseling Center
Director: Stacey Pearson; COUN; 407-823-2811
http://www.counseling.sdes.ucf.edu
The Counseling Center serves enrolled UCF students, who seek assistance with mental-health related concerns, and the broader campus community by offering a wide variety of programs in direct support of the university mission. The Center is composed of a professional staff of counselors, therapists, mental health counselors, social workers, and counselors in training who provide a confidential atmosphere and a safe environment in which students may explore and resolve issues of concern. The Center also provides advanced training and supervision for graduate students in counseling. The Center is open Monday through Friday. Services offered by the Center include:

- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention
- Couples Counseling
- Professional Consultation
- Outreach and Presentations
- Consultation to Faculty and Staff

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

Creative School for Children
Director: Marcia Diebler; CSC; 407-823-2726
http://www.csc.sdes.ucf.edu
The Creative School for Children is the Educational Research Center for Child Development and provides an early experience educational program for children ages 2-5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC). The daily program is planned and conducted by degreed teachers. The program provides a wide variety of experiences in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned and spontaneous field trips and special family programs are part of the yearly schedule. Experiences in observation and training in academic areas also are made available to university students. Opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday.

First Year Advising and Exploration (FYAE)
Director: Gloria Laureano; PH 116; 407-823-3789
http://firstyear.sdes.ucf.edu
UCF recognizes that starting in a new learning environment can present many challenging life transitions for incoming freshmen students. First Year Advising and Exploration has been established to provide support and advise first-time-in-college students (not assigned to other first year advising offices). The overriding mission of the office is to assist first-year students by providing numerous academic advising support services and other programs that will lead to their overall satisfaction, success and retention at UCF. Students who have not selected a major (Undeclared students) are provided focused advising support services through the Academic Exploration Program to assist them in the major selection process.

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and e-mail and phone communication. The office focuses its efforts on providing proactive academic advising support, establishing early and regular communication, and providing outreach advising activities for first year students residing in both on-and selected off-campus facilities. FYAE also offers academic advising at their satellite location located in the Pegasus Landing affiliated housing area. In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through First Year Advising and Exploration.

Academic Exploration Program (AEP)
PH 116; 407-823-3789
http://aep.sdes.ucf.edu
The Academic Exploration Program has been developed to provide structured experiences to assist students who have not declared a major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. AEP has several components including coordinated academic advising services from a first year advising office, major and career exploration programming activities, and online assessments. The program services are also available to first-year students who are unsure about their major choice and to those considering a change of major.

First Year Experience
Executive Director: Joe Ritchie; PH 218; 407-823-5105
http://www.orientation.sdes.ucf.edu
The First Year Experience Office (combining orientation with extended first year transition programs including Pegasus Palooza, LINK and the Strategies for Success course) assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students register for the program by visiting the First Year Web site at http://www.orientation.sdes.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. Students also have the opportunity to serve as Orientation Team (O-team) leaders and peer mentors for the Strategies for Success course.

LINK First Year Experience Program
Coordinator, First Year Experience: TBA; 407-823-5105
http://www.link.ucf.edu
Learning and Interacting with New Knights (LINK), a First Year Experience program, is designed to assist first-time-in-college students with their transition to the University of Central Florida (UCF) by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. The main goals of the LINK Program are to get freshmen out having fun, meeting people, and getting connected to UCF. Through LINK, new Knights will be exposed to programs and events that will enhance their first year experience and overall success and satisfaction at UCF.

The LINK Program works with various UCF departments and programs to identify educational programs that support opportunities for new Knights to transition to and become better connected to UCF during their first year on campus. These co-curricular programs complement the in-class academic experience and help first-year students develop the skills necessary to be successful in college. The LINK Program packages these educational programs under the LINK name and promotes them to first-year students to encourage their active participation.
As an incentive to encourage first-year students to participate in programs, freshmen receive points for each LINK program in which they participate. These points are known as "LINK Loot." Students receive LINK Loot at the beginning or end of each LINK program. First year students can use their LINK Loot points to bid on prizes at the LINK Auction, held at the end of each semester. These points do not roll over between semesters in order to give students a fresh opportunity to get involved at the beginning of each new semester. In the past, prizes have included a $1000 tuition scholarship, laptop computer, Nintendo Wii, television, iPods, theme park tickets and much more.

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

Fraternity and Sorority Life

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

(Greek Council Office, SU 154, 407-823-2072)
http://www.greeklife.sdes.ucf.edu

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

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

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

Health Services

Director: J. Robert Wirag; HC 309; 407-823-2094
http://hs.ucf.edu

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

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

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

The UCF HS insurance office staff will assist students file claims with their medical insurance company. Currently, UCF HS physicians are contracted providers with BCBSFL, United HealthCare, and UnitedMed. This entity's faculty, staff, and students to use UCF HS providers for their primary care needs and realize cost savings through covered services. An optional health and accident insurance plan for students by Aetna Student Health Insurance (www.aetnastudenthealth.com) that is endorsed by UCF may be purchased by response to periodic mailers or by coming to the UCF HS Insurance Office (407-823-6426). This voluntary plan is separate from the health fee students are required to pay each semester. However, when purchased, the insurance will cover most of the Health Services charges and also provides benefits for services that are beyond the scope of the campus Health Services program, such as hospital referrals and specialty care (subject to co-pays and deductibles). Charges incurred outside the Health Center are the responsibility of the student, including transport by ambulance.

In addition to access for clinical care services, the health fee entitles UCF students to use the Wellness Center located in the Recreation and Wellness facility. The Wellness Center recognizes the role of lifestyle in health and disease prevention by offering a wide range of health promotion services provided by professional health educators and peer health educators/advocates, including HIV confidential blood testing and oral HIV testing, biofeedback, nutrition and weight management, massage and physical fitness and lifestyle assessment.

Opportunities for student development include: Student Health Advisory Committee, Student Wellness Advocate Team (SWAT), Graduate Assistantships, or becoming a Wellness Peer Educator or Health Advocate.

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

Wellness Center

Director: Director for Health Promotion: Peter Mastroianni; RWC 111; 407-823-5841
http://www.hs.sdes.ucf.edu/wellness/

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

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

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

Many participants can earn “LINK Loot.”

Housing and Residence Life

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

The Department of Housing and Residence Life offers regularly enrolled single students paying registration fees for a minimum of nine credit hours housing on the Orlando main campus and the Rosen College of Hospitality Management campus. Orlando main campus housing is reserved for mostly incoming first-year students. A limited
Division of Student Development And Enrollment Services

amount of space is available for upper-class students. Married and family student housing is not available. All classes of students are all welcome at the Rosen College of Hospitality Management Student Apartments.

Students can apply for housing after being admitted to the university. The online application process is available through myUCF. Admission is not necessary to apply for all first-year students. Therefore, those first-year students desiring to live on-campus should apply as soon as possible. Application periods include fall/spring academic year agreements with a separate application for summer or 11.5 month annual agreement.

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

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

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

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

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

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

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

Multicultural Academic and Support Services (MASS)
Director: Wayne Jackson; PH 102; 407-823-2716
http://www.mass.sdes.ucf.edu

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

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

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

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

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

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

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

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

Recreation and Wellness Center
Director: James Wilkening; RWC; 407-823-2408
http://www.rec.ucf.edu

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

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

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

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

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

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

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

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

Fitness
The Fitness program promotes health and wellness in many ways. Group Exercise classes including Yoga, Pilates, Spinning, traditional aerobic and resistance classes and assist participants in improving their cardio respiratory fitness while also building strength and endurance. Personal Training and Fitness Assessment services are available to assist in evaluating fitness levels and providing guidance to reach or maintain fitness and wellness goals. The Assisted Workout Program benefits those who need assistance and guidance with their workout. Graduates from the program earn a degree in physical therapy and have teamed up with the Recreation and Wellness Center to provide this opportunity to students with disabilities.

Intramural Sports
The Intramural Sports program offers the opportunity to participate in more than fifty action-filled team, dual, and individual sports, including perennial favorites flag football, basketball, soccer, and floor hockey. Several competition divisions are offered to accommodate various skill levels. A unique aspect of the UCF program is referee development, in which students can be trained to officiate sports, earn money on campus, and have an opportunity to work in the Orlando community.

Outdoor Adventure
The Outdoor Adventure program is the university’s resource for adventure programming. Outdoor Adventure provides guided backpacking, sea kayaking, canoeing, and cycling trips that range from weekend trips around Florida and the southeast to week-long adventures in the mid-west and the east coast. The challenge course is designed to provide exciting, experiential opportunities that focus on leadership, communication, self/group awareness and inter-personal skills. The climbing wall, located in the RWC, allows participants to experience the thrill of rock climbing indoors. Lake Claire Recreation Area located just north of greek row is available for students to reserve for special events or enjoy the beachfront pier. Equipment is available with a valid UCF I.D. To make reservations for the Challenge Course and Lake Claire please visit our Web site at http://www.rec.ucf.edu.

Sport Clubs
The Sport Clubs program is an agency of the UCF Student Government Association (SGA) and is advised by the Sport Club Staff at the UCF Recreation & Wellness Center (RWC). Each sport (i.e., Registered Student Organization (RSO) with the Office of Student Involvement (OSI)). Sport Clubs exist to promote and develop interest in a particular sport activity. Interests may be competitive, recreational, instructional or any combination of the three. Participation in Sport Clubs is strictly voluntary. As RSO’s, clubs are developed by students for students under the supervision of the Recreation & Wellness Center. The Sport Club staff of the RWC believes that involvement in the Sport Clubs program enhances development, leadership, and the overall college experience for students by supplementing skills learned in the educational realm. There are currently 64 active Sport Clubs including: Badminton, Baseball, Bowling, Brazilian Ji-Jitsu, Butokukan, Crew, Cuong-Nhu, Fencing, Ice Hockey, Karate, Kendo, Kiteboarding, Lacrosse, Mixed Martial Arts, Rock Climbing, Roller Hockey, Rugby, Soccer, Softball, Surf, Swimming, Table Tennis, Tennis, Tri-Knights, Ultimate Frisbee, Volleyball, Water Polo and Wrestling.

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

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

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

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

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

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

Students eligible for VA educational benefits must certify each term with Veteran Services after they enroll for classes. To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits. A copy of the “Student Veteran Handbook” can be obtained on the GI Bill Web site. UCF, being a member of SOC (Service Members Opportunity College), provides credit for military training and education. Credit is awarded for regionally accredited schools and courses only. Transfer credit is not awarded for experience, military skills level and/or special certifications. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS, or other official military records. U.S. Air Force veterans must coordinate with the Community College of the Air Force to provide official CCAF transcripts to the Undergraduate Admissions Office.

Students eligible for VA educational benefits may also be eligible for a VA deferment of tuition and fees. VA Deferment due date is contained in the “Academic Calendar.” Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment. For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9-11 credit hours for three-quarter time benefits, and 6-8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on VA Chapter. Check Veterans Services Web site for Summer term course load and other FAQs.

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

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct.
Resources & Departments

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

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

Sophomore and Second Year Center (SSYC)
Director: Robert Snow; PH 215; 407-823-3375

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

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

Student Academic Resource Center (SARC)
Director: Jennifer Wright; PH 113; 407-823-5130

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

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

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

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

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

A learning skills counselor is also available for students who need study skills advice or those who wish to enhance their educational experience.

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

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

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

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

After admission to the university, students who have a disability and may require academic accommodations must contact Student Disability Services. Students submit appropriate disability documentation, along with a Request Documentation Review form, to SDS. SDS staff will contact the student either to schedule an intake interview or request further documentation. Students must be registered with SDS to be eligible to receive academic accommodations. All information is confidential and will be used only to assist the student. A Text Telephone (TTY)/Telecommunication Device for the Deaf (TDD) is available for deaf/hard-of-hearing or speech-impaired persons with TTY/TDDs to contact Student Disability Services (TTY/TDD calls only phone 407-823-2116).

Student Government
OS/SGA Advisors: Director Kerry Welch & Assistant Director Christa Coffey; SU 214; 407-823-2191
http://www.sga.ucf.edu

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect student life. These services include free printing in the SGA computer lab, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Pegasus Knights, Multicultural Student Center, and Knightcast, and much more. Money allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights on local, state and national government levels.

Student Government Association’s structure is modeled closely after the United States federal government system in that it contains three branches: executive, legislative, and judicial. The executive branch, comprised of the Student Body President, Vice President, and staff, oversees the daily administrative operation of SGA. The legislative branch funds student organizations and also passes bills and resolutions benefiting the student body. The judicial branch oversees hearings concerning constitutional and legislative issues.

All students are encouraged to take an active role in the Student Government Association. For information outlining how to become involved with SGA or how your student organization can receive funding, contact the Student Government Association office.
Office of Student Rights and Responsibilities

Assistant Vice President and Director: Patricia A. MacKown; FC 142; 407-823-6960
http://www.osrr.sdes.ucf.edu

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

Dispute Resolution Services

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

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

Office of Student Conduct

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

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

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

Student Legal Services

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

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

Student Union

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

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

Transfer and Transition Services

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

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

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

University Testing Center (UTC)

Director: Rebecca Piety; PH 106; 407-823-5109
http://www.testing.sdes.ucf.edu

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

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

Upward Bound Program

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

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

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

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

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

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

Campus Visit Experience

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

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

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

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

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

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

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

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

Reactivation

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

Limited Access Programs

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

Orientation

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

Admission Categories

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

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

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

Freshman Applicants

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

High School Diploma

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

Entrance Examination Scores

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

High School Academic Units and Grade Point Average

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

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

Total Units 18
Undergraduate Admissions

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

If the High School GPA is:  
<table>
<thead>
<tr>
<th>HS GPA</th>
<th>Minimum test scores must be:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>SAT 1680 or ACT 25</td>
</tr>
<tr>
<td>2.1</td>
<td>SAT 1620 or ACT 24</td>
</tr>
<tr>
<td>2.2</td>
<td>SAT 1620 or ACT 24</td>
</tr>
<tr>
<td>2.3</td>
<td>SAT 1560 or ACT 23</td>
</tr>
<tr>
<td>2.4</td>
<td>SAT 1510 or ACT 22</td>
</tr>
<tr>
<td>2.5</td>
<td>SAT 1450 or ACT 21</td>
</tr>
<tr>
<td>2.6</td>
<td>SAT 1450 or ACT 21</td>
</tr>
<tr>
<td>2.7</td>
<td>SAT 1450 or ACT 21</td>
</tr>
<tr>
<td>2.8</td>
<td>SAT 1450 or ACT 21</td>
</tr>
<tr>
<td>2.9</td>
<td>SAT 1390 or ACT 20</td>
</tr>
<tr>
<td>3.0</td>
<td>* *</td>
</tr>
</tbody>
</table>

*No minimum score required.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:
- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and,
- A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.

Meeting these minimum requirements does not guarantee admission.

**Second Bachelor’s Degree Applicants**

Second Bachelor’s Degree applications are processed by the Undergraduate Admissions Office or the Registrar’s Office. Guidelines for which office students should make application are outlined as follows:
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office. Students should complete the regular undergraduate admissions application.
- Students who have attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar’s Office. These students complete the “Readmission Application” form.

**Credits From a Previous Baccalaureate Degree**

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

**Transient Student Applicants**

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

**Limited Non-Degree Seeking Applicants**

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

Programs using the Limited Non-Degree Seeking status include:
- High school Dual Enrollment
- Soldiers-to-Scholars
- Continuing Education
- Regional Campuses
- Off-campus credit
- Teacher Certification or re-certification

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

Students registering in this category should be aware of the limitations of this status, and are encouraged to apply for regular admission to the University.

**International Applicants**

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

- Submit the completed UCF admissions application form with the required $30.00 non-refundable application fee (check or money order in U.S. currency). An online application is available on our Web site at http://www.admissions.ucf.edu.
- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on the evaluation.
- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more credit hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.
- Results of the TOEFL (Test of English as a Foreign Language) may be required of students whose first language is not English. Information about this examination can be obtained from TOEFL, P.O. Box 6151, Princeton, New Jersey, 08541-6151.
- Results of the SAT or ACT will be required if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT), P.O. Box 592, Princeton, NJ, 08540 or from ACT, P.O. Box 414, Iowa City, Iowa, 52243. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

Applicants must file a “Certification of Finances” form and supporting financial documents indicating financial support to cover educational and other expenses for the first year of study with the International Services Center. This form and other required documents must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.
Educational Translations and Evaluations

Foreign diplomas must meet the requirements specified in Florida Statutes, section 229.814. UCF will accept English translations and evaluations of academic credit from these agencies:

Joseph Silny and Associates
7101 SW 102 Ave.
Miami, FL 33173
(305) 273-1616

World Education Services
P.O. Box 5087
Bowling Green Station
New York, NY 10274
(212) 986-6311

AACRAO’s International Education Services
One Dupont Circle, NW
Suite 520
Washington, DC 20036-1135
(202) 296-3359

Mandatory Health Insurance for International Students on F-1 and J-1 Visas

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

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

Non-Academic Admission Clearances

Florida Department of Education Rule 6C-6.001(2) authorizes universities to refuse admission to applicants due to past misconduct.

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

Transfer Credit: All Applicants

All grades from a regionally-accredited college or university in transfer courses that are normally part of a baccalaureate degree program are shown on the student’s permanent UCF record. Effective Fall 2001, the University recognizes a grading system of plus or minus. In addition, grade forgiveness is honored only if it has been awarded as part of the degree or a specific state-wide articulated AS degree from a Florida public community college. Credit is not awarded based on job descriptions, life experience, or course work that is non-academic.

Accredited Institutions

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

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

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

The accreditation status of all foreign institutions must be evaluated through either AACRAO’s International Education Services, Joseph 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 reflects what degree requirements have been met and what remains to be satisfied. Although all college-level course work transferred from a regionally accredited institution is shown on the TSR and the UCF transcript, applicability of the course toward a degree requirement is determined by the college/school/department of the major.

General Education Transfer Credits

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

Credits From Private and Out-of-State Institutions

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

Credits From Military Service School Courses

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

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

Baccalaureate Honors

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

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

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

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

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

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

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

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

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

Specific Eligibility Requirements and Conditions for Receiving Financial Aid

- Students must be accepted and classified as degree-seeking at UCF in an eligible program;
- Students must maintain UCF’s Standards for Satisfactory Academic Progress;
- Students are required to inform financial aid of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may necessitate a revision of the financial aid award(s). This includes, but is not limited to, any private scholarships or third party tuition payment waivers;
- Students may not receive aid in excess of their cost of attendance;
- Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;
- Students must provide all information requested for the completion of their file. If selected, verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds;
- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA;
- Students must reapply annually for financial aid;
- Students must complete an entrance interview for a Federal Stafford Loan if they are a first time borrower at UCF;
- Students must be a U.S. citizen or an eligible non-citizen, (e.g. resident alien). Eligible non-citizens include I-151, I-551, and I-688 cardholders as well as some I-94 classifications;
- Students must have a high school diploma or GED certificate;
- For need based programs, students must show a financial need as determined by the FAFSA;
- A male applicant must be registered with Selective Service, if applicable.

Program Eligibility Charts

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

Helpful Hints

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

School Costs

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

Financial Aid Programs Available at UCF

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

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

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

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

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

Award Notification

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

Student awards will be based upon the student’s financial need, the amount of available funds, the number of UCF students who qualify for aid, and the date the student completes the application process. The amounts listed on the award notifications are estimates based on full-time enrollment. For purposes of financial aid, enrollment is based solely on classes that count toward degree completion. If a class is not required to earn a degree, then the hours of that class are not used to calculate a student’s enrollment.

Admission to UCF must be finalized with no contingencies. Students must be classified as degree-seeking. Verification, if required, must be completed. Students must meet the Standards for Satisfactory Academic Progress. If all eligibility is met, financial aid funds may be disbursed.

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

Deferrals of Tuition and Fees

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

Disbursements

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

Satisfactory Academic Progress (SAP)

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

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

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

- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of UCF attempted hours, based on their academic level at the time of admission to UCF. (see chart below)


### Re-establishing Eligibility after Cancellation

Any student with extenuating circumstances, (i.e., death of a relative, an illness or injury of the student, etc.), who is placed on cancellation status may appeal to the Financial Aid Review Committee for reinstatement based on his/her special case.

If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, he/she has brought up the percentage to a minimum of 70%, the student may appeal to the committee for reinstatement, at that time.

To appeal, the student must:

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

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

### Transfer Students

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

### Independent Students

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

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

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<table>
<thead>
<tr>
<th>CLASSIFICATION</th>
<th>Maximum UCF Hours Allowed for Degree Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>All Freshmen</td>
<td>180 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Sophomores</td>
<td>135 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Juniors</td>
<td>90 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Seniors</td>
<td>45 Attempted UCF Hours</td>
</tr>
<tr>
<td>Second Degree</td>
<td>60 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist Degree-Seeking</td>
<td>100 Attempted Hours (Including all Graduate hours)</td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours (Including all Graduate Hours)</td>
</tr>
<tr>
<td>Doctor of Medicine</td>
<td>Satisfactory academic progress for continued enrollment, else loss of access to federal assistance programs</td>
</tr>
</tbody>
</table>
Dual Enrollment
Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Dual enrollment will not meet eligibility criteria for institutional aid programs. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:
1. Advisor Certification Form with all required signatures;
2. A copy of the Fee Invoice and class schedule confirming that the classes and hours enrolled match the Transient Student Form; and,
3. A completed Consortium Agreement Form to be completed by the transient school financial aid office.
Dual enrolled students must make arrangements to pay tuition and fees at the visited school since there is no system for deferral of those tuition and fees. In addition, it is the student’s responsibility to insure that the visited school promptly provides the UCF Registrar’s Office with academic transcripts, confirming that the attempted hours are completed. This will help avoid academic progress problems. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements.
Students may not receive financial aid from two institutions at the same time. Students must decide which of the two institutions is the primary school at which they are degree seeking and apply for aid there. Any inaccuracy will result in a mandatory repayment to one of the two schools for the overpayment.

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

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

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

2008-2009 Fee Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$82.03</td>
<td>$237.56</td>
<td>$82.03</td>
<td>$237.56</td>
</tr>
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<td>Out-of-State</td>
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<td>Building Fee</td>
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<td>$2.32</td>
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<tr>
<td>Capital Improvement Fee</td>
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<td>$2.44</td>
<td>$2.44</td>
<td>$2.44</td>
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<tr>
<td>Financial Aid Fee</td>
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<td>$4.10</td>
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<tr>
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<td>Activity and Service Fee</td>
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<td>$10.09</td>
<td>$10.09</td>
<td>$10.09</td>
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<tr>
<td>Athletic Fee</td>
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<td>$12.10</td>
<td>$12.10</td>
<td>$12.10</td>
</tr>
<tr>
<td>Health Fee (per hour)</td>
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<td>$8.59</td>
<td>$8.59</td>
<td>$8.59</td>
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<tr>
<td>Transportation Access Fee</td>
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<td>$7.59</td>
<td>$7.59</td>
<td>$7.59</td>
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<tr>
<td><strong>Total Per Hour Fees</strong></td>
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<td><strong>$1,085.26</strong></td>
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2008-2009 Repeat Course Schedule*

<table>
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<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
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<tr>
<td>Tuition</td>
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<td>Non-Resident Fee</td>
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<td>$491.41</td>
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<tr>
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<tr>
<td><strong>Total Per Hour Fees</strong></td>
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<td><strong>$0.00</strong></td>
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Other Fees: Resident and non-resident*

| Distance Learning Course Fee (per hour) | $18.00 |
| UCF Campus Card Fee (per academic year) | $10.00 |
| Campus (ID) Card Replacement Fee | $15.00 |
| Material and Supply Fee (per term, approved courses only – varies per course) | $5.00-$45.00 |
| International Student Service Fee (per term) | $50.00 |
| Repeat Course Fee (per hour) | $175.84 |
| Equipment Fee (per term, for use of equipment) | up to $90.00** |
| **These fees are subject to change by action of the Board of Trustees.** |
| Differential Tuition Fee (per hour) | $2.32*** |

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

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

Note: 2009-2010 tuition and fees were not available at the time of this publication. Rates for the 2009-2010 academic year will be available in early July 2009.

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

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

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

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

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

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

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

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

Payment Locations (refer to http://fa.ucf.edu for office hours):
Cashier’s Office - Main Campus - MH 110 - 407-823-2614
Cashier’s Office - Brevard Campus (BCC Cocoa Campus) - BLDG 11 Room 204 - 321-433-7615
Cashier’s Office - Daytona Beach Room 105 (no cash) - 386-506-4073
Cashier’s Office - Palm Bay Room 115 (no cash) - 321-433-5187/5188
24-Hour Depository - Millican Hall at Reflection Pond Entrance (no cash)
Cashier’s Office - Rosen College Campus Room 201A (no cash) - 407-903-8187

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

Other Forms of Payment

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

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

Florida Prepaid College Plan

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

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

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

Tuition Waivers

State of Florida Employees Tuition Waiver

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

UCF Employees Tuition Waiver

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

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

Tuition and Fees for Senior Citizens

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

Refund of Fees

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

Full Refund Eligibility

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

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

Exceptional Circumstances

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

**Direct Deposit**

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

**Past Due Accounts**

All financial obligations to the University must be met. Failure to meet obligations can result in the withholding and denial of registration, diploma, transcripts and readmission to the University. The services of a professional collection agency and recourse to the courts may also be invoked if deemed necessary. All costs of collection, including attorney’s fees, are borne by the debtor.

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

**Late Fees**

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

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

**Fee Appeals**

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

**Holds**

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

**Florida Residency for Tuition Purposes**

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

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

And

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

And

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

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

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

3. No contrary evidence establishing residence elsewhere;

4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)

   Or

   Be married to a person who has been a legal resident of the State of Florida for the required 12-month period and relinquish legal ties to another state, or

   Or

   Be a member of the Armed Forces on active duty stationed in Florida, or a spouse or dependent, or

   Be a member of the full-time instructional or administrative staff of a state public school, community college, or university in Florida, a spouse or dependent, or

   Be a dependent and have lived five years with an adult relative, who has established legal residence in Florida.
Residency reclassification requests are subject to Florida Statute 1009.21, Florida State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-7.005. In addition, University policy requires students requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar’s Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

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

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

Students entering the second term of enrollment at UCF or later who believe that they qualify for Florida residency must submit the “Residency Reclassification Application and Affidavit” and all documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar’s Office or online at http://registrar.ucf.edu. This form must be accompanied by all documents that support the student’s Florida residency claim.
Responsibilities

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

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

Freshman (First Time in College - FTIC)

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

New FTIC Students can expect to:
1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, IB and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the KSP and EXCEL programs and those not in a special population listed below (PH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)
   c. Student Academic Resource Center (SARC) - for Participants in the College Achievement Program (CAP) or Pegasus Success Program (PH 113)
   d. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program (PH 102)
   e. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 45 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (PH 215)

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

3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
4. Transition to an academic advising office within the college of the student’s chosen major at the beginning of the sophomore year.

The Burnett Honors College

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

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

College of Arts and Humanities

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

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

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

College of Business Administration

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

New students will:
1. Meet college advising representatives in a group setting during Orientation to discuss college policy, procedures, and degree programs;
2. Review degree requirements at Orientation using Degree Audit and catalog to better understand degree requirements and learn how to read a Degree Audit;
3. Meet with your advisor in the Office of Undergraduate Student Support (USU; BA 201) during their first enrolled term to petition transfer work into their degree program;
4. Meet with a Career advisor in the College of Business Administration, BA2 Room 222 (Career Services Satellite Office), to understand the career options of your major; and,
5. Be advised in the USS if your major is Business Pending.

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

College of Education
New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in 3000/4000 level classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education;
2. Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending and be advised in the Academic Advising Center (ED 175) if their major is Elementary Education. Academic advising sessions may be scheduled by calling (407) 823-3723 or (407) 823-5369; and,
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The academic advisor’s name and telephone number appear on the Degree Audit to assist students in making an advising appointment.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Office of Undergraduate Studies
Office of Interdisciplinary Studies

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

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

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

Regional Campus System

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

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

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

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

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

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

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

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

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

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

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

Graduation Requirement: Some baccalaureate degrees require proficiency in a specific major. High school courses will not satisfy graduation foreign language requirements. International students required to provide proof of proficiency as a graduation requirement.

How Will My Credits Transfer?

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

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

Transfer Checklist

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

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

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

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

<table>
<thead>
<tr>
<th>Housing</th>
<th>Program (Major) Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N___ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
<td>Year of Financial Aid Application (FAFSA) sent</td>
</tr>
<tr>
<td><strong>/</strong>/__ date application sent (include deposit when required)</td>
<td>Y___ N___ met grade point average (GPA) requirements</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Orientation:</th>
<th>Program (Major) Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>/</strong>/__</td>
<td>Y___ N___ met cumulative GPA in courses taken for program of study</td>
</tr>
<tr>
<td>Orientation date at UCF</td>
<td>Y___ N___ met cumulative GPA for admission to program of study</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.

TOEFL scores for admission are considered to have satisfied the graduation requirement.
Prerequisite Manual. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

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

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

When Do I Pay My Bill?

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

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

Can Transfer Students Participate in The Burnett Honors College?

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

Transfer Tips:

Office Visits for Transfer Advising

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

Students should:

- Submit your application at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted contingent upon completion of the A.A. if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the “Student Health Form.” Registration is not allowed without the completion and approval of this form.
- Complete CLAST if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAST, privileges provided by the A.A. are not granted (i.e., grade forgiveness, Gordon Rule, and the completion of general education requirements). Without completion of CLAST, but with all general education courses completed, you should request the following statement placed on your transcript: “General Education Requirements Met.” Without this statement, you must satisfy UCF’s general education requirements (including Gordon Rule courses).
- Complete the “Free Application for Federal Student Aid” (FAFSA). To be considered for all aid available, your financial aid file should be complete by March 1.
Requirements for Graduation

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

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a “C” average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 36 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require the minimum of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply no more than 45 credit hours in any combination of extension, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
- Fulfill the General Education Program requirements;
- Fulfill the Gordon Rule requirements;
- Fulfill the Foreign Language requirements as defined elsewhere in this section;
- Fulfill the CLAST requirement;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and,
- Be registered at UCF during the semester of graduation.

Degrees Awarded Posthumously

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

Choice of Catalog (Catalog Year) and Continuous Enrollment

A student must graduate under the provisions of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida public community colleges, state colleges, or state universities 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 (GEP)

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

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

General Education Program Learning Objectives

Communications Foundation

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

Cultural and Historical Foundation

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

Mathematical Foundation

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

Social Foundation

- Be able to gather and synthesize information from appropriate resources, and be able to evaluate information and sources for accuracy and credibility.
- Understand how an individual’s place in the world is affected by social, economic, and political institutions.
- Gain a deeper appreciation of one’s role and potential impact in 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 indi-
Science Foundation

- Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.
- Demonstrate an ability to assess the extent to which claims presented as "scientific" satisfy the empirical character of scientific explanations.
- Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

Undergraduate Degree Requirements

Substitution of Courses: General Education Program and Other Requirements

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

Alternate Courses:

General Education Program

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

GEP Requirement Acceptable Substitutions

MAC 1105 (College Algebra) MAC 1114, MAC 1140, MAC 2311, MAC 2312, MAC 2331, MAC 2313
MGF 1106 (Finite Mathematics) MGF 1107
ECO 2013 (Macroeconomics) Any higher level ECO course
ECO 2023 (Microeconomics) which has ECO 2013 as a prerequisite
PHY 2053C (Physics) PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 5015C
CHM 1020 (Chemistry) CHM 2045C, CHM 3020, CHM 2044, CHM 2043C
BSC 1005 or BSC 1050 (Biology) BSC 2010C
GEO 1200 (Geography) GEO 2370
CMS 1310 Intro to Biotechnology and Genetic Engineering

Diversity Requirement

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

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

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

DEGREE REQUIREMENTS
Undergraduate Degree Requirements

Education Courses:

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

Other Courses:

- ANH 3422 Frontier Florida
- AMH 3426 Sunbelt Florida
- AMH 3562 Women in American History II
- AML 3283 Contemporary American Women’s Fiction
- AML 3615 Harlem, Haiti, and Havana
- ANT 3245 Native American Religions
- ASH 4304 Women China
- CJC 4129 Cultural Diversity in Criminal Justice
- CJC 4670 Women and Crime
- CJE 4174 Comparative Justice Systems
- COM 4014 Gender Issues in Communication
- COM 4461 Integrative Communication
- CPO 3034 Politics of Developing Areas
- EDG 2085 Teaching Diverse Populations
- GEO 3471 World Political Geography
- JST 3401 History of the Jewish People I
- JST 3402 History of the Jewish People II
- LIN 4643 Cross Cultural Communication
- LIN 4XXX African-American Styles of Communication
- AML 3862 Ethnic Literature in America
- LIT 4044C Women's Studies
- MUL 2720 Music of the World
- NUR 3805 Transitional Concepts in Nursing I
- PAD 4446 Multiculturalism in Public Administration
- PLA 4020 Law and Society
- PLA 4830 World Legal Systems
- PLA 4XXX Employment Discrimination
- POS 3627 Cultural pluralism and Law
- PUP 3225 Women and Politics
- PUP 3422 Politics and Civil Rights
- PUP 3314 Minority Politics
- PUP 4204 Sustainability
- SOW 3620 Social Work with Minorities
- SPW 4772 Black Presence in Contemporary Latin America
- SYD 3800 Women in Society
- SYP 4732 Minority Aging
- THE 3230 Multicultural Studies
- WST 3561 Third Wave Feminism
- WST 3015 Introduction to Women's Studies

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

Exit Exams

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

Foreign Language Proficiency Requirement (Bachelor of Arts Degree)

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

Placement in Language Course

- Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.

- Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.

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

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

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

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

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

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

American Sign Language

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

SUS Foreign Language Admission Requirement

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

The Gordon Rule

The “Gordon Rule” (State Rule 6A-10.30) applies to students who first enrolled in any college or university after October 1982. The rule requires students to complete four courses (twelve credit hours) of writing and to complete two courses (six credit hours) of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of C- (1.75).

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

Gordon Rule Requirement:

1. Six hours of mathematics at the level of college algebra or higher

GEP Courses Which Satisfy:

(1) College algebra or finite math
(2) Statistics or computer science

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

2. Six hours of English coursework and six hours of additional coursework with significant college level writing

(1) Six hours of English Composition
(2) Specifically identified courses and those from the following list

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

- ENC 1101 Composition I
- ENC 1102 Composition II
- LIT 2110 World Literature I
- LIT 2120 World Literature II
- AMH 2010 U.S. History: 1492-1877
- AMH 2020 U.S. History: 1877-Present
- EEU 2000 Western Civilization I
- EEU 2011 Western Civilization II
- HUM 2210 Humanistic Tradition I
- HUM 2230 Humanistic Tradition II
- WOH 2102 World Civilization I
- WOH 2222 World Civilization II
- TSE 2010 Biology I
Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:

All Courses with an AML, ENC, ENG, ENL, or LIT prefix

PHI 3402 History of the South to 1865
PHI 3403 History of the South Since 1865
PHI 3441 History of the Frontier: Eastern America
PHI 3442 History of the Frontier: Western America
PHI 3541 U. S. Military History To 1900
PHI 3561 Women in American History I
PHI 3571 Black American History I
PHI 3800 Canadian History
PHI 4110 Colonial America, 1607-1763
PHI 4130 The Age of the American Revolution, 1763-1789
PHI 4140 Jeffersonian America
PHI 4160 Jacksonian America
PHI 4170 Civil War and Reconstruction
PHI 4201 The Gilded Age and Progressivism
PHI 4231 United States History: 1914-1939
PHI 4270 United States History: 1939-1960
PHI 4311 American Culture I
PHI 4313 Advanced Culture I
PHI 4510 Rise of the United States to World Power, 1776-1914
AAM 3031 American Literature I
AAM 3041 American Literature II
ANT 3163 Mesoamerican Archaeology
ARH 4450 20th Century Art
ARH 4800 Theory and Criticism of the Visual Arts
ASH 4404 China in 19th and 20th Centuries
ASH 4442 Modern Japan, 19th and 20th Centuries
BUL 3130 Legal and Ethical Environment of Business
DAN 3134 Dance History I
EAS 4700C Aerospace Design I
EGN 4142C Interdisciplinary Design I
EML 4501C Engineering Design I
EUA 3122 Medieval Society and Civilization
EUA 3142 Renaissance and Reformation
EUA 3235 Romanticism and Realism
EUA 3242 Modern Europe and the First World War
EUA 3281 Second World War and Rebirth of Europe
EUA 3411 Ancient Rome
EUA 3451 History of Modern France
EUA 3651 War and Society
EUA 4284 Fascism and the Totalitarian Dictatorships
EUA 4465 Hitler’s Third Reich
EUA 4500 English History to 1485
EUA 4501 English History: 1485-1815
EUA 4502 British History: 1815-Present
EUA 4571 History of Russia to 1801
EUA 4574 History of Russia: 1801-1917
EUA 4576 History of Russia in the 20th Century
EUA 4620 European Great Powers: 1815-1914
HIS 4150 History and Historians
HUM 3320 Contemporary Multicultural Studies
HUM 3394 Representations of Place and Space
HUM 3401 Asian Humanities
HUM 3431 Ancient Humanities
HUM 3460 Latin American Humanities
HUM 3553 Moses, Jesus, and Muhammad
JOU 2100C News Reporting
JOU 3101 Advanced Reporting
JOU 4181 Public Affairs Reporting
JOU 4300 Feature Writing
JOU 4306C Critical Writing
JOU 4308 Freelance Writing
LAH 3190 Latin American History I
LAH 3200 Latin American History II
LAH 3400 History of Mexico and Central America
LAH 3470 History of the Caribbean
NUR 3165 Nursing Research
NUR 3805 Transitional Concepts in Nursing I
PAD 4034 The Administration of Public Policy
PAD 4720 Survey Research in Public Administration
PHI 3100 Ancient Philosophy
PHI 3200 Medieval Philosophy
PHI 3460 Modern Western Philosophy
PHI 3600 Contemporary Philosophy
PHI 3700 American Philosophy
PHI 3803 Research Methods in Philosophy
PHI 3320 Philosophy of Mind
PHI 3322 Minds and Machines; Philosophy of Cognitive Science
PHI 3451 Philosophy of Psychology
PHI 3670 Ethical Theory
PHI 3803 Philosophy and Creativity
PHI 3805 Contemporary Aesthetics
PHI 3941 Philosophy of Pragmatism
PHI 4221 Philosophy of Language
PHI 4321 Philosophies of Embodiment: Mind/Body/Self
PHI 4341 Ways of Knowing
PHI 4804 Critical Theory
PHI 4931 Philosophy in the News
PHM 3401 Philosophy of Law
PHP 3781 African-American Philosophy
PHP 4792 Phenomenology
PLA 3155 Legal Writing
PLA 4935 Capstone: Legal Issues
REL 3131 Religion in America
REL 3432 Roots of Western Mysticism
RTV 4403 Electronic Media, Technology, and Society
SOW 4222 Social Welfare Policies and Issues
SOW 4341 Micro-Level Roles and Interventions in Social Work
THE 2304 Script Analysis
TFA 4940 Technical Theatre/Design Internship
TPF 3310C Directed for Theatre I
TPF 4940L Theatre Internship

College Level Academic Skills Test (CLAST)

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

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

Transfer Students with more than 60 credit hours who have not taken the CLAST may be restricted from future registration. Students who have not met the CLAST requirement may be admitted, but they must take the CLAST exam during their first term at UCF. If the CLAST requirement has not been satisfied and the 36 hours of upper division credit have been registered for and/or earned, enrollment in future semesters/terms at UCF will be prohibited until the CLAST requirement has been met.

CLAST Alternatives

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

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

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

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

CLAST Waiver Petitions for Students with Disabilities

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

Summer Attendance Requirement

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

Admission to the Upper Division

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

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

Graduation Application Deadline

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

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

Correspondence Courses

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

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

The current Catalog details enrollment procedures, fees, and course information. A copy may be obtained at no cost by calling or writing to: University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711, Ext 200; E-mail: learn@nervm.nerdc.ufl.edu. Web site: 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. One diploma will be awarded with both majors indicated. Students earning a double major must use the same Catalog year for both majors.

Two Degrees

- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.
- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned. The university Catalog will stipulate combinations of degrees within colleges that are not allowed.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

More Than Two Majors, or More Than Two Degrees, or a Combination

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

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 CLAST, Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements as stipulated in the UCF Catalog.

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 credit hours for a second degree or more than 30 credit hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.
Academic Calendar. Drop/Swap and Add may be done using the Drop/Swap and Add Policy. Check for Holds on the myUCF system at https://my.ucf.edu and in the college advising offices. The dates and times for each registration period are included in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic/.

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

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

Undergraduate Enrollment Status Credit Hours
| Full Time | 12 or more |
| Three Quarter Time | 9-11 |
| Half Time | 6-8 |
| Less Than Half Time | less than 6 |

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

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

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

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

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the “Academic Calendar”). Drop/Swap and Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices. After the Add period, no course may be added or dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap and Add period may be dropped the next business day in the Registrar's Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also contact the Registrar’s Office Web site at http://www.registrar.ucf.edu or contact the Registrar’s Office for registration information at 407-823-3100.

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

Senior Citizen Audit
Senior Citizens (60 years of age or older) who have been residents of the State of Florida for at least one year as of the first day of classes, may enroll tuition free as Audit students (i.e., no academic credit) on a space-available basis. Forms to be completed include the “Residency Affidavit,” the “Senior Student History,” the “Senior Citizen Audit Application” and “Senior Citizen Audit Registration Form.” These forms are available in the Registrar's Office (MH 161) or at the Registrar's web site: http://www.registrar.ucf.edu. It is necessary to complete the required forms during the last hours of registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic/. Direct student expiration after the completion of the registration include the campus ID card, vehicle registration and textbooks.

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

State Tuition Exemption Program (STEP) (National Guard) Registration
State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a space-available basis during the last hours of registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

Florida Transient Students
An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and desires to take courses with UCF. Students must complete the “SUS Transient Application Form” which is available online at http://www.facts.org. No application fee is required. The “SUS Transient Application Form” must be completed each term and should be completed online or delivered/mailed to the Registrar’s Office (MH 161), by the application deadline noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. Eligible students should visit the Registrar’s Office Web site at http://www.registrar.ucf.edu. Undergraduate Catalog.

Please note that, beginning May 2009, the deadline to drop classes without fee liability and a W grade is one day earlier than the last day to add classes. Please consult the Academic Calendar for Drop, Add, and Withdrawal deadlines.
Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the UCF Registrar’s Office. The prior permission of the department, school, and college is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

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

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

Withdrawal Policy
Withdrawal for each term begins after the Late Registration and Drop/Swap period ends. Students may withdraw from a class and receive the notation of “W” until the date noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-6562. 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 request and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advice prior to withdrawing from a class. If a student withdraws from a class for any reason before the end of the term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional and beyond their control may apply for a cancellation of enrollment and an elimination of fee liability. Exceptional circumstances include, but are not limited to documented sickness, conditions related to military service or activeenerative. The student’s physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services (MH 210). A medical withdrawal must be for all classes in the term. Medical withdrawals can only be approved in cases where the student is unable to finish the term.

If a medical withdrawal is approved, a “WM” will be recorded for each course. Medical withdrawals normally are for all courses for any future term or be fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of “WP” or “WF” will be recorded. A grade of “WF” will affect the calculation of the student’s grade point average.

Following the close of the Late Registration and Drop/Swap period each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional and beyond their control may apply for a cancellation of enrollment and an elimination of fee liability. Exceptional circumstances include, but are not limited to documented sickness, conditions related to military service or activeenerative. The student’s physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services (MH 210) within six months of the end of the term for which the Late Drop is sought. If a student withdraws from a course while an alleged academically dishonest act is under consideration, and the case is not subsequently resolved in favor of the student, the University reserves the right to assign the appropriate grade for the course.

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

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

<table>
<thead>
<tr>
<th>Grades</th>
<th>Grade Points Per Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.75</td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>NC - No Credit</td>
<td>*</td>
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</tbody>
</table>

Available only in CHM 1032, CHM 2045C, CHS 1440, ENC 1101, ENC 1102, MAC 1105H, MAC 1105, MAC 1114, MAC 1140, MAC 2147, MAC 2233, MAC 2241, MAC 2253, MAC 2255, MAC 2261, MAC 2281H, MAT 211H, and STA 114. In these classes NC replaces the use of D+, D and D-.
### Academic Regulations and Procedures

#### Grade Change

A grade will not be changed after a degree has been conferred. The Registrar will change a student’s academic status if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

#### Grade Reports

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

#### Attendance, Absences, or Unsatisfactory Work

Under University policy, students are not authorized to attend class unless they are on the class roll, or have been approved to audit and have paid audit fees. Students are responsible for satisfying the entire range of academic objectives as defined by the course instructor and ensuring that their class work and attendance are satisfactory.

Students should understand that attendance policies and procedures vary among instructors and academic units, and they must observe any special attendance regulations stipulated by their college, school, department, program, or instructor. Reasons for acceptable absences may include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional conferences), military obligations, severe weather conditions, and religious holidays.

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a “Program Verification” form. Program Directors shall provide each student with a copy of this form. It is the student’s responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-8596.

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.

#### Student Conduct

Students are subject to federal and state laws and local ordinances as well as regulations prescribed by the University of Central Florida and the Board of Governors. The breach of any of these laws or regulations may result in disciplinary action. Detailed conduct regulations and procedures are presented in [The Golden Rule](https://www.ucf.edu/studentconduct/). A person applying for admission to UCF who has declared a violation of conduct policies at a previous college or university or has been charged with a violation of the law (including traffic violations that resulted in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) to consider eligibility for admission.

#### Religious Observances

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

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### Legend

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

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

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

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

1. Multiply the number of credit hours per course by the number of grade points per grade. Then add each amount to arrive at the total number of grade points earned for that term:
   - Course #1 B+ 3 credit hours X 3.25 grade points = 9.75
   - + Course #2 A- 3 credit hours X 3.75 grade points = 11.25
   - + Course #3 A 4 credit hours X 4.00 grade points = 16
   - + Course #4 B 3 credit hours X 3.00 grade points = 9
   - = 13 credit hours = 46 total grade points

2. Divide the total number of grade points by the total number of credit hours earned that term:
   - 46.00 total grade points / 13 credit hours = 3.54 GPA for that term.

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

### Incomplete Grade

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

### Grade Change

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

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

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

Student Classifications

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

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

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

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

Other Student Classifications:

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

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

Special Student:
A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non-degree seeking, transient, and auditor).

Temporary:
A student who applied before the deadline and who is permitted to register and attend class pending completion of the admission file.

Transient:
Students temporarily registered (for one term) at UCF with the approval of UCF. A UCF student may not be enrolled as a Transient student in another institution during the term in which the baccalaureate degree or the A.A. degree is to be awarded.

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

Provisional:
A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate.

Dean's List

The Dean's List is compiled in recognition of scholastic honors to degree-seeking undergraduate students who earn a minimum 3.4 GPA, complete a minimum of 12 credit hours, earn no grade less than "C" (2.0) and no "I," "U," "N," "NC" or "WF" grades during a term. Hours utilized in the awarding of a President's Honor Roll Certificate may not be utilized in the determination of a subsequent certificate.

Baccalaureate Honors and Diplomas

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

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

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

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

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

Honors in the Major

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

Grade Forgiveness

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

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

8. Due to the two-course limit, a student who has repeated two or more courses at a Florida Public Community College or State University and included those courses in the transfer of an AA or a baccalaureate or associate degree articulated AS degree will not be granted any Grade Forgiveness at UCF;  

9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;  

10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,  

11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade-Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).  

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

Academic Standing  

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

Good Standing  

Good standing indicates only that the student is meeting the minimum academic standard for retention by the University (minimum term GPA, 2.0). To meet graduation requirements, however, the student must have a minimum UCF GPA of 2.0.  

Academic Probation  

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

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

Disqualified (First Suspension)  

A student on Academic Probation is Disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is Disqualified may not enroll at the University for two semesters following disqualified. Readmission after two semesters is not automatic. Disqualified students are required to have completed the Florida AA degree, or have completed UCF’s general education program, CLAST, and Gordon Rule requirements, before petitioning for readmission. A Disqualified student must submit an application for Readmission supported by a letter documenting the reasons for previous academic difficulties, clear evidence of satisfactory academic performance since leaving the university, and plans for achieving a GPA of 2.0 or better. A disqualified student is limited to petition for readmission once per year (365 days). The total record will be reviewed and action on readmission will be taken by the University Registrar. Any Disqualified student whose UCF grade point deficiency is equal to or greater than 15 grade points is not eligible for readmission. For readmission purposes only, “grade point deficiency” is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.  

Exclusion (Second Suspension or more)  

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

Earning Credit While Disqualified  

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

Readmission  

A student must apply for readmission to the Registrar’s Office (MH 161) if:  

1) the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);  

2) the student has been academically suspended from UCF;  

3) the student failed to enroll or withdrew from all classes during the readmitted term; or,  

4) the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second bachelor’s degree.  

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

Readmission Following Non-Enrollment for Two Consecutive Semesters  

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

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

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

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

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 15 Grade Points  

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

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

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

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

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

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

Readmission Prior to Completion of the Required Suspension

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

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

Students who are disqualified (with a grade point deficiency of 15 or more 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. This provision further requires the Vice President of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University shall be denied admission or readmission, or other academic and/or disciplinary action up to and including expulsion.

Appeal

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

Admissions and Standards Committee

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

Right of Appeal

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

1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);

2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;

3. Provide documents which support and/or verify the extenuating circumstances (if applicable);

4. Supply official transcripts from all other schools attended during the suspension (if applicable);

5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;

6. Submit ten stapled packets of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
   a. A completed “Application for Readmission as an Exception to University Policy Form”;

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

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

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

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

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

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

Academic Amnesty Program

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

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

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

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

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

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

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

2) The UCF Admissions and Standards Committee will determine a student's eligibility for entrance into the Academic Amnesty Program. The student will be required to appear before the Admissions and Standards Committee.


Athletic Eligibility and Retention Committee

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

Name Changes

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

Address and E-Mail Changes

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

Transcript Requests

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

A $10 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by cash, check or money order (made payable to UCF), credit card, or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. For fax request information and payment procedures, refer to http://www.registrar.ucf.edu/forms/transcript_request/ or call 407-823-3100. Requests require at least 2 business days to process. Transcripts not claimed with 30 days of printing will be discarded and must be reordered. A $10.00 per reordered transcript fee must be submitted with the reorder request. Grades are available from myUCF at https://my.ucf.edu.

Third Attempt Course Repeat Surcharges

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

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

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

Extemuating Circumstances

These circumstances determined by the University to be exceptional and beyond the control of the student. These may include, but are not 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 during an extenuating circumstances may be granted an exemption only once for each class.
Financial Hardship:
Should include, but not be limited to, the following:
   1) Qualification for federal need-based financial aid; or,
   2) Other documented financial hardship may be considered.
For details, contact the Student Accounts Office (MH 107) at 407-823-2433.

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

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

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

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

Student Records
Student records submitted become the property of the University and cannot be returned to the student or released to a third party. Copies of student records will be released only upon receipt of a written request signed by the student. Student records are stored in paper format 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 in that the student believes are inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;
3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility; and
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:
   Family Policy Compliance Office
   U.S. Department of Education
   400 Maryland Avenue, SW
   Washington DC. 20202-4605

Directory Information
FERPA authorizes the University to classify certain information concerning students as “directory information,” which means that it may be released to anyone upon request. In accordance with Florida Statutes Section 228.093, the University is required to release student directory information to independent vendors upon request. Directory information at UCF includes:
- name
- current mailing address
- telephone number
- date of birth
- major field of study
- dates of attendance
- enrollment status
- degrees and awards received
- participation in officially registered activities and sports
- athletes’ height and weight

Academic Regulations and Procedures
Academic Regulations and Procedures

All other student information will be released in accordance with FERPA; in most cases this requires the student’s prior written and signed consent. The University extends to students the opportunity to withhold any or all information, including “directory information.” Students can do this online at myUCF or complete the “Directory Disclosure/Release Authorization” form available at the Registrar’s Office (MH 161) or at http://www.registrar.ucf.edu, requesting that this information be withheld. The Golden Rule outlines the University procedures for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office Web site at http://www.ed.gov/offices/OM/fpco/.

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

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

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

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

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

Advanced Placement Literature (all modern languages)
A score of 3 earns a minimum of one semester (min. 3 credits) of introductory literature. A score of 4 or higher earns a minimum of two semesters (min. 6 credits) of introductory literature.

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

ADVANCED PLACEMENT (AP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>GEP Usage</th>
<th>Score of 4</th>
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<td>Japanese Language &amp; Culture</td>
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<td>Physics C: Electricity/Magnetism</td>
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</table>

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

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

### International Baccalaureate

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
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<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C</td>
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<td>Business Management</td>
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<td>GEB 2011 and 2006</td>
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<td>Chemistry</td>
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<td>CHM 1020/1020L and CHM 2045C</td>
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<td>CGS 1078 and 1906</td>
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<td>ETI 1410 and 1906</td>
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<td>ECO 2013 and 2023</td>
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<td>EVR 1017 and 1906</td>
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<td>FRE 1121C and 1122</td>
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*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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<td>Calculus</td>
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<td>CHM 1020</td>
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<td>Educational Psychology, Introduction to</td>
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<tr>
<td>French Language</td>
<td>FRE 1120C</td>
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<td>Management, Principles of</td>
<td>MAN 2021</td>
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<td>Marketing, Principles of</td>
<td>MAR 2011</td>
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<td>EUR 2001</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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</table>
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 Baccaulaureate Language B exams.

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

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

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

CAMBRIDGE AICE EXAMS

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<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
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*If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102.
<table>
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<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
</tr>
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</table>
| College Level Examination Program (CLEP) (see table on previous page)
Credit is awarded for scaled scores of 50 or higher on computer-based CLEP exams taken after July 1, 2001. A percentile score of 50 or higher is required on CLEP 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.

Institutions may wish to award additional credit for higher-level exams.
Academic Regulations and Procedures

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

**CLEP Language Examinations**

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

**Credit by Examination**

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

**DANTES SUBJECT STANDARDIZED TESTS (DSST)**

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<td>CCJ 1000</td>
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<td>Environment and Humanity</td>
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<td>Introduction to Law Enforcement</td>
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<td>Management Information Systems</td>
<td>ISM 1000</td>
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<td>BAN 1501</td>
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<tr>
<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
<td></td>
<td>45</td>
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<tr>
<td>Technical Writing</td>
<td>ENC 2210</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
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</tr>
</tbody>
</table>

**EXCELSIOR COLLEGE EXAMINATIONS TABLE**

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number (3 credits per course)</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>COM Found 1</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td></td>
<td>46</td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>44</td>
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<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
<td></td>
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</tr>
<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
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<td>45</td>
</tr>
<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>

**Cambridge AICE Exams (see table on previous page)**
The Advanced International Certificate of Education (AICE) program is an international, advanced secondary curriculum and assessment program equivalent to the British system of “A-Levels.” Information about the program, including course syllabi, can be found online at http://www.cie.org.uk/q_and_s/gce_a/index.html.

**DANTES Examination Credit (see table below)**
The University will award credit to students presenting qualifying scores in DANTES examinations. The table labeled “DANTES Subject Standardized Tests (DSST)” provides information related to the Dantes Examination credit. For additional information: http://www.getcollegecredit.com.

**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.
International Studies
Director: Angel Cardec; Research Pavilion, Suite 395,
P.O. Box 163105, Orlando, FL 32816-3105; 407-882-2300;

The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote, support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through: development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

Study Abroad Programs
http://www.studyabroad.ucf.edu

By its very nature, study abroad provides an exciting setting for learning - one in which student interaction is central to the learning process. Study abroad participants learn about new environments, customs and, in many cases, new languages. They deal with the uncertainties of international travel and must adapt to the dynamics of the group. Maturity, self-confidence, and awareness of other cultures are only some of the benefits of study abroad. Students are invited to expand their classroom, their experience, and their future through study abroad.

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in France, Japan, Germany, Spain and Italy; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica and Russia; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Scotland.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University and University of Surrey in the United Kingdom.

There are many more study abroad options. It is important that interested participants investigate their choices, the requirements and the implications to that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit http://www.studyabroad.ucf.edu or contact OIS at 407-882-2300.

Experiential Learning, Undergraduate Studies
Director: Sheri Dressler; Ferrell Commons, Suite 203; (407) 823-2667 http://www.explearning.ucf.edu/

Experiential Learning provides instruction and instructional support for applied learning courses at UCF. Its mission is to 1) encourage all UCF students to include some form of experiential learning in their academic programs before graduation; 2) instruct cooperative education (co-op) and internship courses and support faculty in other academic departments to create and instruct internship and service-learning courses; 3) promote the measurement of student learning outcomes across disciplines for students in applied learning courses; 4) provide faculty training and quality assurance processes for the creation and instruction of high quality experiential learning courses; 5) create meaningful and productive educational partnerships with employers and community partners locally, nationally, and internationally; and 6) collaborate closely with other UCF departments, such as Career Services, Financial Aid, International Services Center and the Faculty Center for Teaching and Learning.

The Experiential Learning department instructs co-op and internship courses and facilitates and supports department faculty in the development and instruction of internship and service-learning courses. It also administers the Florida Work Experience Program (FWEP) through which additional paid, major-related experiences are created for students with documented unmet financial need. Additionally, it supports ArtsBridge, a program in which Art, Music and Theatre majors teach course content through the arts in local schools. All of these options provide major-related, real-world experience that helps students clarify career goals, apply classroom theory, and gain the personal, academic and professional competencies that they need to be work-ready and engaged community members upon graduation.

- Internships are available to students on all campuses in all Colleges. They are courses that provide one-term of major or career-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships usually occur toward the end of a student’s program of study and can be part-time (usually during the school year) or full-time (usually during summers). They are available through the Experiential Learning department or through other academic departments in Colleges. Contact information for department internship coordinators is on the Experiential Learning Web site.

- Co-op opportunities are available to students on all campuses in all Colleges. They are courses that provide a series of progressively responsible internships, always major- or career-related, paid, and multiple terms with progressively responsible duties. They are either part-time around class schedules (parallel) or full-time alternating terms (alternating), structured for learning with reflection, supervision and evaluation, and available for non-credit or credit when it will count in a student’s academic program.
Special Academic Programs and Research Institutes

- Service-Learning is a means of incorporating experiential learning into academic courses so that students learn course content through service experiences. Through this process, students gain an appreciation for civic engagement while learning course content in a real-world environment. Courses using this approach are designated with the "SL" in course listings so that students can choose to participate in this type of learning experience. A service-learning certificate, noted on a student’s transcript, is available for students who complete four service-learning courses.

Current co-op and internship opportunities through Experiential Learning, requirements for participation, and information and materials for Service-Learning are all listed on the Experiential Learning Web site. To participate in co-op or internship, students may complete an application online any time during the year, preferably during the term before they want to participate to allow time to obtain an appropriate learning experience. Once students apply online, they meet with Experiential Learning faculty to be referred, obtain opportunities and register for courses.

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz-Slowinski, BA2 113; 407-823-5243
http://www.ncasports.org

The mission of the Southeast Regional Office of the National Consortium for Academics and Sports (NCAS) at the University of Central Florida is to help create a better society by focusing on educational attainment and using the power and appeal of sport to positively affect social change. The NCAS reaches this goal in the Central Florida community and in southeast region by making programs available in the areas of diversity training, gender violence prevention, media awareness and building well rounded student-athletes who represent themselves and their University well and, alcohol education. The NCAS also cultivates partnerships between the University, local schools, community organizations, and other non-profit agencies that also are committed to serving the community. For additional information, visit the National Consortium for Academics and Sports Web site at http://www.ncasports.org.

Division of Continuing Education
Assistant Vice President/Director: J. Patrick Wagner; University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0244
http://www.ce.ucf.edu

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

Off-Campus College Credit Programs
Assistant Vice President/Director: J. Patrick Wagner; University Tech Center, 12565 Research Parkway, Suite 390; 407-882-0260; Fax: 407-882-0244

Off-Campus College Credit Programs assist in the administration and coordination of approved partnerships and other specially formatted credit courses and degree programs for the academic colleges. Registration may be conducted on site at the various business, educational, or government locations served or via the web for student convenience. Course registration for non-admitted students does not constitute regular admission to the University.

Institutes and Centers for Research
The Biomolecular Science Center
Director: P.E. Kolattukudy, BL 136, 407-823-1312; Fax: 407-823-0956

The Biomolecular Science Center is housed in the Burnett School of Biomedical Sciences, College of Medicine. The mission of this University-wide interdisciplinary academic Center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” The research at the Center is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease. See Burnett School of Biomedical Sciences, College of Medicine section or visit http://www.biomed.ucf.edu for more information.

Center for Applied Human Factors in Aviation (CAHFA)
Director and Chief Scientist: Mustapha Mouloua, PSY 303A; 407-823-2910; Fax: 407-823-5862

The Center for Applied Human Factors in Aviation (CAHFA) has as its mission the enhancement of safety in the nation’s airspace system through applied human factors research, systems design, and training strategies. Chartered in 1990, CAHFA is a research consortium established between UCF and Charter partner Embry-Riddle Aeronautical University, Daytona Beach, Florida. CAHFA’s professional staff maintains offices on both campuses. The complimentary strengths of the two universities are combined to create a research resource that is without peer for solving aeronautical human factors problems. CAHFA research initiatives are targeted to significantly reduce human factors related accidents and incidents by determining the efficacy of and by developing strategies for achieving improvements in human performance.

Center for Economic Education
Director: Robert L. Pennington; BA2 303E; 407-823-2640

The Center for Economic Education strives to increase public knowledge of economic principles and their applications in daily life. Researchers at the Center develop, collect, and distribute economic educational materials. They also consult with and provide instruction to area schools (K-12), community colleges, and community organizations. Instruction focuses on the principles of economics and their use in making rational economic decisions. Affiliated with the National Council on Economic Education, the Center also conducts research in economic education.

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam; 9907 Universal Blvd., Suite 231-A Orlando, FL 32819, 407-903-8010; Associate Director: Roberto Croes; 9907 Universal Blvd., Suite 219-C, Orlando, FL 32819, 407-903-8028; E-mail: DPI@ucf.edu

The purpose of the Dick Pope Sr. Institute for Tourism Studies is to improve the quality of the tourism product while increasing the benefits of tourism for the industry, state of Florida, and local communities. The Institute involves itself in a variety of research projects and educational programs.

Research includes the collection, development, and dissemination of information relevant to the tourism and hospitality industry in the areas of: marketing, consumer behavior and visitor satisfaction, feasibility, economics, motivation, and forecasting. Some of the Institute’s partnerships include tourism promotion agencies at the state and local levels; tourism development commissions; professional associations; and private enterprises such as attractions, hotels, resorts, restaurants and other food-service establishments, ground and air transportation companies, travel agencies and tour operators, and other related businesses. The Institute devotes significant efforts to educating the public about the tourism industry on state and international levels, as well as its contribution to the social and economic welfare of the community at large.

Executive Development Center
Executive Director, Bob Case, 407-235-3904; Associate Director, Jaime Patterson, 407-235-3912; 407-235-3801; E-mail: edc@bus.ucf.edu

The University of Central Florida College of Business Administration is proud to serve as a partner in executive education to the local, state, national, and international business communities. The Executive Development Center was established to provide leading executive education programs to both individuals and organizations.

The Center helps professionals from all industries become more dynamic leaders, more effective managers, and more valuable team members. Corporations benefit from participating in executive education programs by developing more productive and resourceful workforce that can meet the challenges of today’s changing marketplace and tomorrow’s opportunities.

The Center serves as a valuable resource in executive training and development by offering programs that address critical issues for managers and business leaders. These programs are offered in a variety of formats suitable for any individual or corporation through:

- Executive MBA Program
- Professional MBA Program
- Professional Masters Programs
Special Academic Programs and Research Institutes

- Customized corporate programs
- Conference services
- Public enrollment programs
- International seminars and exchange programs

The UCF Executive Development Center has a strong commitment to the business community. Both small and large organizations find the programs to be contemporary, challenging, and effective.

**Florida-Canada Linkage Institute**

*Director:* Angel Cardec; 407-882-2300; Fax: 407-882-0240; E-mail: fcl@mail.ucf.edu

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

**Florida-Eastern Europe Linkage Institute**

*Director:* Angel Cardec; 407-882-2300; Fax: 407-882-0240; E-mail: eel@ist.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 the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and east European countries to study in Florida state universities and community colleges for the same tuition fees as Florida residents. The awards are limited to 25 FTE and are competitive.

**The John Scott Dailey Florida Institute of Government at the University of Central Florida**

*Director:* Marilyn Crotty; 407-235-3960, Fax 407-317-7750

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

**Florida Solar Energy Center (FSEC)**

*Director:* James Fenton; 1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1007; Fax: 321-638-1010.

The Florida Solar Energy Center is the largest and most active state-supported alternative energy research institute in the United States. Its facilities are located on the Cocoa campus of UCF at Brevard Community College. FSEC has gained national and international respect for its programs on photovoltaics, hydrogen from renewables, pollutant detoxification, photocatalytic processes, energy-efficient buildings, advanced cooling technologies, and solar thermal systems. It operates the only certified solar equipment testing program in the world, and its technical library boasts one of the nation’s most extensive holdings on solar and alternative energy. FSEC’s international Renewable Energy Training and Education Center is providing educational programs for government and industry leaders around the world.

**Florida Space Institute (FSI)**

*Acting Director:* Jaydeep Mukherjee; FSI, Kennedy Space Center, FL 32899; 321-452-9634; Fax: 321-452-4842; E-mail: fsiccas@mail.ucf.edu


The Florida Space Institute provides unique, practice-based educational opportunities, combined with resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports member schools and other educational and commercial customers, providing opportunities for student involvement in real-world space programs. FSI is a State of Florida Type I Institute headquartered at UCF, but has 10 member schools statewide. Because FSI is located at the Space Center and not on the UCF campus, the programs are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station locations. Typical research areas include small satellite innovations, basic and applied research for a broad range of training devices and training systems. Driven by a proven record of research achievement, IST has developed unique qualifications and is positioned to provide the enabling technologies and technical talent necessary to research new ways to use simulation, improve human-agent interaction, and educate the next generation of scientists and professionals. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training. IST laboratories, work space, and administrative offices occupy major portions of three buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to the Army Program Executive Office for Simulation, Training and Instrumentation (PEOSTRI); Army Simulation Training Technology Center; Naval Air Training Systems Division (NAVAIR Orlando); Marine Corps Program Manager for Training Systems; and Air Force Agency for Modeling and Simulation (AFAMS). The institute is one of an estimated 150 public and private entities specializing in simulation and training and located along the Central Florida High Tech Corridor traversing the state from Tampa to Daytona Beach, the largest concentration of this expertise in the world.

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

- Multi-resolution simulation
- Virtual, mixed, and augmented reality
- High performance computing
- Human-machine interface, robotics
- Computer-generated forces
- Mathematical foundations
- Application development
- Information management technology
- Human factors psychology and team training
- Cognitive science/augmented cognition
- Media convergence
- Embedded simulation
- Advanced performance technology

IST actively assists UCF in the development of simulation-related curricula. First in the nation with a master’s degree in simulation systems, the university in collaboration with IST now offers a truly multidisciplinary PhD in modeling and simulation. Both master’s and doctoral programs accept applications from graduate students in computer science, digital media, psychology, engineering, mathematics, business, and other related disciplines. The institute annually employs more than 80 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, IST is a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate programs to continue their advanced education and hone their research skills.
Special Academic Programs and Research Institutes

The institute includes in its efforts the development of research projects with potential commercial applications and adaptation of military technology to civilian markets. IST communicates the results of its research through seminars, conferences, publications, and workshops. In cooperation with UCF, the University of South Florida, and University of Florida, and with considerable participation from area industry and economic development organizations, IST promotes economic growth in the modeling and simulation industry throughout the Central Florida High Tech Corridor.

Institute of Statistics and Data Mining
Director: David M. Nickerson; CC2 206; 407-823-5528; E-mail: nickersn@mail.ucf.edu

The Institute of Statistics and Data Mining provides statistical consulting support to graduate students, staff, and faculty members in all stages of their research projects. The Institute’s services include, but are not limited to, design of experiments and surveys, determination of sample sizes, formulation of hypotheses, selection of appropriate analysis using a variety of software packages, interpretation and evaluation of statistical results, preparation of statistical reports, and writing statistical methods and data analyses sections of research grant proposals as well as data management through the data mining lab. The Institute’s faculty members are available to work as co-investigators or statistical consultants on clients’ grant proposals. The Institute also provides statistical support to various government agencies and private organizations. For a brief description of consulting activities of the Institute and research expertise of faculty members, please visit http://statistics.cos.ucf.edu/. The consulting service is available to faculty members working on funded projects for a modest fee. Professor David M. Nickerson is the Director of the Institute. However, other faculty members from the Department of Statistics and Actuarial Science are available for assisting clients.

Institute for Technical Documentation
Director: Dan Jones; CNH 303B, 407-823-5160

The Institute for Technical Documentation is a research and teaching center within the English Department. Its activities include technical communication consultation, usability evaluation and testing, and the development of communication training programs for clients. The Institute’s experienced faculty and established facilities afford a strong rapport with local businesses and the capacity to assist in a wide variety of technical documentation projects and services.

Oak Ridge Associated Universities (ORAU)
President and ORAU Councilor for University of Central Florida: John C. Hitt; ORAU Corporate Secretary: Monnie E. Champion; 865-579-3306; http://www.orau.org

Since 1989, students and faculty of University of Central Florida have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 96 colleges and universities and a contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

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

ORAU’s Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU’s members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research and support programs as well as services to chief research officers.

Small Business Development Center (SBDC)
Regional Director: Eunice Choi; Disney Entrepreneur Center, 315 E. Robinson St., Suite 100, Orlando FL 32801; 407-420-4850; E-mail: echoi@bus.ucf.edu; http://www.bus.ucf.edu/sbdc

The Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development by responding to the needs of the small business community. The SBDC, as part of the College of Business Administration at the University of Central Florida, is responsible for eight counties in the Central Florida area including four Sub-Centers located at Daytona Beach Community College, Brevard Community College, Seminole Community College, and Kissimmee Chamber of Commerce. Assistance is provided through workshops and individual counseling in the following areas:
- Start-Up
- Finance
- Operations
- Technology

Additional programs provide assistance to clients in the areas of government contracting and international trade.
ACADEMIC DEGREES, MAJORS AND MINORS

Associate of Arts Degree
University of Central Florida students who satisfactorily complete 60 credit hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 credit hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement and passed the College Level Academic Skills Test.

The Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210 and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

Baccalaureate Degrees
The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Arts in Business Administration, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, and Bachelor of Science in Social Sciences. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

College of Arts and Humanities
Bachelor of Arts (B.A.)
Majors: Art, Digital Media, English, Film, Modern Language Combination, French, History, Humanities, Music, Philosophy, Religious Studies, Spanish, Theatre

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

Bachelor of Music Performance (B.M.)

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

Bachelor of Science (B.S.)
Majors: Photography

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

Bachelor of Arts
Major: Economics

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

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

Bachelor of Arts (B.A.)
Major: Interdisciplinary Studies

Bachelor of Science (B.S.)
Majors: Interdisciplinary Studies

Bachelor of Science and Associate of Arts degrees may not be awarded in the same term. An Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210 and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

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

Baccalaureate Degrees
The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Arts in Business Administration, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, and Bachelor of Science in Social Sciences. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

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

Bachelor of Arts
Major: Economics

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

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

Bachelor of Arts (B.A.)
Major: Interdisciplinary Studies

Bachelor of Science (B.S.)
Majors: Interdisciplinary Studies

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

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

Bachelor of Science (B.S.)
Majors: Cardiopulmonary Sciences, Communication Sciences and Disorders, Criminal Justice, Health Information Management, Health Sciences - Athletic Training, Health Sciences - Pre-Clinical Track, Health Services Administration, Legal Studies, Public Administration, Radiologic Sciences

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

College of Medicine
Burnett School of Biomedical Sciences
Bachelor of Science (B.S.)
Majors: Molecular Biology and Microbiology Biotechnology Medical Laboratory Sciences

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

College of Sciences
Bachelor of Arts (B.A.)
Majors: Advertising/Public Relations, Anthropology, Interpersonal/ Organizational Communication, International and Global Studies, Journalism, Political Science, Radio-Television, Social Sciences, Sociology

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

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

Bachelor of Arts
Major: Economics

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

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

Bachelor of Arts (B.A.)
Major: Interdisciplinary Studies

Bachelor of Science (B.S.)
Majors: Interdisciplinary Studies

College of Engineering and Computer Science
Bachelor of Science (B.S.)
Majors: Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.Cp.E.), Computer Science (B.S.), Construction Engineering (B.S.C.E.), Electrical Engineering (B.S.E.E.), Electrical Engineering Technology (B.S.E.T.T.), Engineering Technology (B.S.E.T.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Systems Technology (B.S.), Information Technology (B.S.), and Mechanical Engineering (B.S.M.E.)
### Academic Minors by College

<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Health and Public Affairs</td>
<td>Aging Studies, American Sign Language and Deaf Studies, Communication Sciences and Disorders, Criminal Justice, Emergency Management and Homeland Security, Health Information Management, Health Sciences, Health Services Administration, Legal Studies, Nonprofit Management, American Humanities National Certification Program, Public Administration, Urban and Regional Planning</td>
</tr>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Molecular Biology and Microbiology</td>
</tr>
</tbody>
</table>

### College Awarding Minor


### Rosen College of Hospitality Management

| Name of Minor | Hospitality Management |

### Office of Undergraduate Studies

| Name of Minor | Environmental Studies, Leadership Studies, World Comparative Studies |

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

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

### Graduate Programs

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

Dean: Alvin Wang;  
407-823-2076, Fax 407-823-6583  
http://www.honors.ucf.edu

Assistant Dean: Martin Dupuis  
Director of Administrative Services: Donna Plaisted  
Director of Advising: Rex Roberts  
Director of Information Systems: Andrew Holloway  
Director of Research and Civic Engagement: Kelly Astro  
Director of Student Affairs: Jill Norburn  
Director of Student Development: Nicole Gelfert  
Director of Student Services: Madi Dogariu

Committed to diversity in both the composition of its student body and the programs that it supports, The Burnett Honors College (TBHC) at UCF provides a challenging and exciting educational experience to academically talented students. TBHC combines the atmosphere of a small college with the intellectual stimulation of a large metropolitan research university. Honors students receive an education that prepares them to enter the best graduate and professional schools as well as pursue distinguished careers.

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

Students in TBHC are actively involved in social activities and course programming. They also have priority registration privileges and access to the Honors Reading Room, Computer Lab, and Honors Housing.

Students may pursue Honors through two distinct programs, University Honors and Honors in the Major.
University Honors

Admission to University Honors is granted by TBHC to qualified incoming freshmen. Students who seek admission to University Honors must apply directly to TBHC. It is the student’s responsibility to obtain the appropriate Honors College admissions information from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their parents are encouraged to contact Honors staff if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida community college that has signed an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors the student must: 1) complete 12 hours of Honors lower-division course work; 2) complete the freshman Honors Symposium; and 3) meet upper-division Honors course requirements determined by college or major.

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed “Intent to Graduate with University Honors” form with TBHC and complete an exit interview. A student who completes all of the requirements for University Honors will have the designation of “University Honors” entered on the diploma and transcript.

Summary Table of University Honors Requirements

<table>
<thead>
<tr>
<th>Symposium</th>
<th>Lower-division</th>
<th>Upper-division Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDH 1920H</td>
<td>4 courses</td>
<td>See requirements by College</td>
</tr>
</tbody>
</table>

The current upper-division requirements are as follows:

University Honors Upper-Division Program Requirements:

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

University Honors Upper-Division Program Requirements:

- College of Business Administration (excluding Economics (B.A.))
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Business courses
    - BUL 3130H Honors Legal and Ethical Envir’ont of Business
    - GEB 3356H Honors Introduction to International Business
    - MAR 3023H Honors Marketing
    - FIN 3403H Honors Business Finance
    - MAN 3025H Honors Management of Organizations

Note: Please refer to the “UCF Courses and Descriptions” section of this Undergraduate Catalog for information on direct prerequisites for the above courses.

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

University Honors Upper-Division Program Requirements:

- College of Engineering and Computer Science Excluding Computer Science, Information Technology, Information Systems Technology and Engineering Technology
  1. Complete one Honors Interdisciplinary Seminar outside the student’s department of major (although it may be within the College of Engineering and Computer Science)
  2. Complete two Honors upper-division Engineering courses
    - STA 3022H Probability and Statistics for Engineers
    - EGN 3310H Engineering Analysis-Statics
    - EGN 3311H Engineering Analysis-Dynamics
    - EGN 3373H Principles of Electrical Engineering
    - EEL 4818H Machine Learning I
    - EEL 4817H Machine Learning II
  3. Complete the Honors Engineering Research Seminar

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

University Honors Upper-Division Program Requirements:

- Computer Science majors
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Computer Science courses
    - COP 3502H Computer Science I
    - COP 3503H Computer Science II
    - COT 3100H Introduction to Discrete Structures
  3. Complete an additional Honors Interdisciplinary Seminar or three credit hours of independent study

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

University Honors Upper-Division Program Requirements:

- College of Health and Public Affairs (COHPA)
  1. Complete one Honors Interdisciplinary Seminar outside major dept.
  2. Complete one Honors Interdisciplinary Seminar offered by COHPA
  3. Complete one of the following nursing courses
    - NUR 3825H The Role of the Professional Nurse
    - NUR 4837H Health Care Issues, Policy, and Economics
    - NUR 4932H Leadership, Management, and Role Transition
  4. Complete an additional Honors Interdisciplinary Seminar or three credit hours of independent study

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

University Honors Upper-Division Program Requirements:

- College of Nursing
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete one of the following nursing courses
    - NUR 3165H Nursing Research
    - NUR 3825H The Role of the Professional Nurse
  3. Complete one Honors Interdisciplinary Seminar offered by COHPA

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

Acceptable Waivers

Please see The Burnett Honors College Web site at: http://www.honors.ucf.edu for a listing of acceptable waivers. Students should obtain waivers from the Office of Honors Advising (BHC 107) prior to their participation in the listed programs. Students may only receive one waiver of credit per undergraduate career.

Notes

Students who are pursuing University Honors in two degrees must complete an extra Upper-Division course or Interdisciplinary Seminar.

Honors in the Major (HIM) courses do NOT count for University Honors requirements. However, EGN 4931H and NUR 3165H can count for HIM Directed Readings.
The Burnett Honors College

UCF/USF Accelerated Medical School Program for Students of The Burnett Honors College
http://www.honors.ucf.edu/Admissions_UCF-USF.asp

Eligible UCF freshmen who have been admitted to The Burnett Honors College and are interested in attending medical school have an opportunity to receive guaranteed admission to University of South Florida’s College of Medicine and complete a medical degree in seven years (3+4). Students must apply for the program prior to their first semester at UCF. The first three years of study will be completed at UCF and the fourth year will be done in residence at USF as part of the first year of medical school, provided that students continue to meet all the program requirements. UCF will confer a Bachelor’s Degree following successful completion of the fourth year of study. USF will confer the Doctor of Medicine Degree at the successful completion of the program.

Students may elect to complete a fourth year at UCF, following the more traditional pattern of four years of undergraduate coursework prior to receiving the Baccalaureate Degree, and then enter the USF College of Medicine. Students selecting this option (4+4) must complete the same requirements as the accelerated (3+4) program, but also have the opportunity to take more advanced coursework and become involved in additional research activities. Students may elect to decelerate at any point prior to October 31 of the third year.

Transfer students are not eligible for this program.

Students applying for this accelerated program must select a major in Molecular Biology and Microbiology in order to receive a Baccalaureate Degree from UCF.

The Burnett Honors College will provide oversight of the student’s progress in meeting Honors requirements and will coordinate overall completion of the first three years of the program. Students will receive advisement and schedule planning assistance each semester from a department advisor and the Pre-professional advisor.

Students attending the USF Medical School during their fourth year of matriculation (3 + 4 track) may transfer a maximum of 30 hours of course work taken at USF toward their UCF undergraduate degree. Such students fulfilling the accelerated 3 + 4 track will receive their BS degree from the University of Central Florida after successfully completing all UCF requirements and the requirements of the first year of medical education at USF.

The USF College of Medicine will provide oversight of the 4-year medical school curriculum component of the program.

Eligibility Requirements

- Florida resident
- SAT score of 1350 or ACT of 30
- Unweighted high school GPA of 3.7
- Class rank (if available) top 10%
- Admission to The Burnett Honors College
- Completion of the Accelerated USF Medical School Application Form with one letter of recommendation following admission to The Burnett Honors College
- Submittal of two letters of recommendation from UCF faculty and successful USF College of Medicine interview in May at the completion of the first year
- Detailed program requirements can be found at http://www.honors.ucf.edu/Admissions_UCF-USF_Require.asp

Honors in the Major

Application for admission to the Honors in the Major program will be made to TBHC following consultation by the student with the Department Chair or Honors in the Major Coordinator in the student’s major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be placed in the University Library with another copy remaining in The Burnett Honors College Reading Room. An Honors in the Major Handbook outlining the procedures for completing this program is available online at http://honors.ucf.edu/docs/HIM/himhandbook.pdf.

Requirements for admission to Honors in the Major are: completion of at least 30 credit hours of college credit including at least 12 graded upper-division hours at the University of Central Florida; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students must also seek approvals by the department from which Honors in the Major is sought and from the Director of Research and Civic Engagement of TBHC.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Directed Readings course work as determined by the academic department; and at least three but not more than 12 hours of Honors Thesis or Project work taken in the college or department of major. Engineering majors must take EGN 4931H in lieu of Directed Readings and will write a thesis proposal as part of their coursework.

HIM students in the College of Health and Public Affairs may take three credit hours of Honors in the Major Directed Readings in one COHA Honors Interdisciplinary Course. Departments or colleges may set additional requirements for Honors in the Major to be completed.

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

The student must file an “Intent to Graduate with Honors in the Major” form with the TBHC Office of Research and Civic Engagement by the third day of classes of the semester of their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of “Honors in [subject area]” noted on the diploma and the University transcript. If you have any questions about these requirements, please contact TBHC at 407-823-6402 or honorsresearch@mail.ucf.edu.

Student-Mentor Academic Research Teams

TBHC oversees the Student-Mentor Academic Research Teams (SMART) Program which is designed to encourage sophomores and juniors identify and work with faculty mentors in a research area of shared interest. SMART is open to all UCF students with a minimum overall GPA of 3.2. A limited number of SMART grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about SMART should visit http://www.honors.ucf.edu/SMART_main.html

If you have any questions about SMART or the grants program, please contact the Office of Research and Civic Engagement in BHC 102 or by phone at 407-823-6402.

Office of Student Scholarship and Fellowship Advisement

The Office of Student Scholarship and Fellowship Advisement (OSSFA) serves all UCF students who are eligible to apply for prestigious scholarships such as the Rhodes, Truman, Goldwater, and Marshall. Because TBHC is UCF’s campus representative for all prestigious scholarships, applicants for scholarships that require institutional nomination must contact OSSFA prior to the application process. Students seeking detailed information about prestigious scholarships and the application process should visit http://www.osssa.honors.ucf.edu. All students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OSSFA office for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OSSFA by phone at 407-823-2877 or visit BHC 107 prior to the application process.
College of Arts and Humanities

Dean: Jose Fernandez; CAH 190; 407-823-2251;
Associate Dean: Lyman Brodie; CAH 190; 407-823-2251;
Associate Dean: Terry Frederick; CAH 190; 407-823-2251;
Assistant Dean: Lynn Hepner; CAH 190; 407-823-2251;
Assistant Dean: Paul Lartonoix; CAH 190; 407-823-2251

The College of Arts and Humanities includes the following departments: Art, Digital Media, English, Film, Modern Languages & Literatures, History, Music, Philosophy, and Theatre. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latino/a Studies, Women's Studies, and Middle Eastern Studies.

In keeping with the aims of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the online Graduate Catalog.

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

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

Preprofessional Programs

Prelaw Program
Prelaw Advisor: Jennifer Mundale; CNH 202; 407-823-5076

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

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

Advisement

CAH Student Advising (CAHSA)
Director: Delia Garcia; CNH 202; 407-823-3312; E-mail: cahsa@mail.ucf.edu
http://www.cah.ucf.edu

CAH Student Advising (CAHSA) is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting the College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 202 or by calling 407-823-2492. Questions concerning the requirements within a major should be directed to the Department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning

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

Area Studies Programs

Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has six area studies programs with an international focus: African American, American, Asian, Judaic, Latin American, Caribbean and Latino/a, and Middle Eastern. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across the entire university may participate in them. These programs may be elected as minors by students majoring in any discipline within the university. For more information about the programs and contact numbers of the program directors see the list below.

African American Studies - Contact: Dr. JoAnne Stephenson; 407-823-0026
American Studies - Contact: Lyman Brodie; 407-823-2251
Asian Studies - Contact: Paul Giordano; 407-823-2472
Judaic Studies - Contact: Moshe Pelli; 407-823-5039
Latin American, Caribbean and Latino/a Studies - Contact: José Maurez-Cuadra; 407-823-1173
Middle Eastern Studies - Contact: Husain Kassim; 407-823-2803

International Study Centers

Undergraduate Inter-institutional Transient Program

The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits are earned through Florida State University, which administers the program on behalf of the State University System, credits are fully transferable within the System. Students at the Centers are considered to be resident in their home institutions for attendance and degree purposes.

Classes at the Florence Center emphasize art history, Italian, social sciences, and the humanities; at the London Center, theatre, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-882-2300.

Programs, Tracks, and Degrees

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<th>Title</th>
<th>Degree</th>
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<td>Minor</td>
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<tr>
<td>American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Art</td>
<td>BA, BFA, Minor, MFA</td>
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<tr>
<td>Asian Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Cinema Studies (Film)</td>
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<td>Community Arts - PAVE</td>
<td>Minor</td>
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<tr>
<td>Dance</td>
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<td>Digital Media</td>
<td>BA, MA, MFA, Certificate, Minor</td>
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<td>English</td>
<td>BA, MA, Minor, MFA, Ph.D., Certificate</td>
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<td>Film</td>
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<td>Modern Language Combination</td>
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<td>French</td>
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<td>German</td>
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<td>History</td>
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<td>Humanities</td>
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<td>Italian</td>
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<td>Jazz Studies</td>
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<td>Judaic Studies</td>
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<td>Latin American Area Studies</td>
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<td>Middle Eastern Studies</td>
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<td>Music</td>
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<td>Philosophy</td>
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<td>Religious Studies</td>
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<td>Spanish</td>
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<tr>
<td>Teaching ESL</td>
<td>MA</td>
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<tr>
<td>Theatre</td>
<td>BA, BFA, MA, MFA, Minors in Dance, Theatre Certificate</td>
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<tr>
<td>Translation and Interpretation</td>
<td>Minor, Certificate</td>
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<tr>
<td>Women’s Studies</td>
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Departments and Programs

African-American Studies: Program

Program Director: JoAnne Stephenson; CNH 411; 407-823-0026
http://www.aas.cah.ucf.edu

The College of Arts and Humanities offers a minor in African-American Studies, which gives students the opportunity to explore the African American experience from a multi-disciplinary perspective. The program is designed to enhance and complement the student’s major area of study. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, and Theater. The program’s interdisciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

Degrees: None
Tracks: None
Minors: African-American Studies

American Studies: Program

Contact: Lyman Brodie; CAH 190; 407-823-2292

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

Degrees: None
Tracks: None
Minors: American Studies

Department of Art

Chair: TBA; VAB 117; 407-823-2676; E-mail: art@ucf.edu
http://www.art.cah.ucf.edu

Faculty: Abbas, Abraham, Ahearn, Burrell, Chavda, Cooper, Francis, Gaudnek, Hall, Haran, Haxton, Isenhour, Kim, Kovach Lotz, Martin, Poindexter, Price, Reedy, Rivers, Robinson, Spencer, Wyatt, Zaho

The faculty in the Department of Art teach studio arts, graphic design, and art history. The curriculum in Art provides professional preparation in art history, and in the studio concentrations of animation, ceramics, drawing, graphic design, painting, photography, printmaking, and sculpture. A Bachelor of Arts is offered in art history and both the Bachelor of Arts and the Bachelor of Fine Arts degrees are offered in the studio specializations. Competitive scholarships and awards are available to currently enrolled full-time UCF art majors through portfolio reviews by faculty. These awards are sponsored by UCF and the Altrusa Club of Winter Park.

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

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

Asian Studies: Program

Contact: Paul Giordano; CNH 523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (anthropology, art history, economics, English, foreign languages, history, humanities, philosophy, political science).

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program

Program Director: Janet Kilbride; VAB 117; 407-823-2676

A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for the student who is majoring in Art, Music, Theatre, or English.

Degrees: None
Tracks: None
Minors: Community Arts

Department of Digital Media

Interim Chair: José Maunez-Cuadra; OTC5 500; 407-823-6100;
E-mail: digitalmedia@dm.ucf.edu
http://www.dm.cah.ucf.edu

Faculty: Croft, Frederick, Friksics, Hadrika, Hughes, Kenny, Maunez-Cuadra, McDaniel, Moshell, Peters, Smith, Story, Sung, Theen, Underberg, Wirth

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

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

Degrees: Digital Media (BA, MA, MFA)
Tracks: Digital Interactive Systems and Visual Language
Minors: Minor

Department of English

Chair: David Wallace; CNH 405; 407-823-1159;
E-mail: english@ucf.edu
http://www.english.cah.ucf.edu


Professors Emeriti: Adicks, Omans, Schiffforst

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

Degrees: English (BA, MA), Creative Writing (MFA), Texts & Technology (Ph.D)
Tracks: Literature, Creative Writing, Technical Communication
Minors: Creative Writing, Literature, Linguistics, Medieval Renaissance, Technical Communication, Writing

Department of Film

Interim Chair: Steve Schlow; COM 121; 407-823-0694;
E-mail: film@ucf.edu
http://www.film.cah.ucf.edu

Faculty: Cook, Finch, Gerstein, Harris, Ingle, Johnson, Jones, Mills, Rohdie, Sandler, Schlow, Stoeckl, Wolfe

Offering a four-year undergraduate curriculum, the Film Department focuses on developing a student’s creative voice, appreciation and understanding of the medium. There are two programs: The BFA in production is a limited access program that stresses entrepreneurial filmmaking and the use of new technology in the production and distribution of student work. Encompassing all aspects of filmmaking from conceptualization to distribution, this program prepares students...
Degrees: Film (BFA, MFA) Cinema Studies (BA)

Minors: Film-Cinema Studies (BA)

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


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

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

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

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

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

Faculty: Hanson

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

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

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

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

The Latin American Area Studies Minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand Latin America, the Caribbean and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers including, but not limited to education, government, journalism, foreign service, social and community service, international trade, and public relations.

Degrees: None
Tracks: None
Minors: Latin American Area Studies

Middle Eastern Studies: Program
Program Director: Husain Kassim; CNH 411J; 407-823-2803;
E-mail: kassim@mail.ucf.edu
Advisory Board Co-Chairs: John C. Bersia; Janan Smither
http://www.middleeasternstudies.cah.ucf.edu

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

Degrees: None
Tracks: None
Minors: Middle Eastern Studies

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

Faculty: Barone, Cordeiro-Rosa, Decker, Fabery, Fanai, Folse, Garcia, Giordano, Korosy, Leticee, Lopez, Ludwig, Mihai, Montalvo, Nalbone, Negy, Pomerleau, Prucha, Purmensky, Redmon, Rivera, Solis, Spina, Stebbings, Tartt, Thompson, Trinquet, Villanueva-Ghelfa, Villanova; Professor Emeriti: Barsch, Del-Rio, Micarelli

The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language.

These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), Modern Language Combination (BA), TESOL (MA)
Tracks: None
Minors: French, German, Italian, Spanish

Department of Music
Chair: TBA; CNH 205; 407-823-2879; Fax 407-823-3378;
E-mail: music@ucf.edu
http://www.music.cah.ucf.edu


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

The Department of Music offers a Bachelor of Music degree with options in performance and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music
College of Arts and Humanities

Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

**Degrees:** Music (BA, MA), Music Education (BME), Music Performance (BM)

**Tracks:** Music Performance, Composition

**Minors:** Music

The Department of Theatre seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

**Degrees:** Theatre (BA, BFA, MA, MFA)

**Tracks:** Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences

**Minors:** Theatre Studies, Dance, Theatre

Women’s Studies: Program

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

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

**Faculty:** Oliver, Preston

The Women’s Studies program offers an interdisciplinary minor and a certificate in Women's Studies in cooperation with several departments, programs, and schools. The program examines women’s roles and contributions to past and present societies, and provides practical and theoretical knowledge about women’s and gender issues.

**Degrees:** BA (Interdisciplinary Studies)

**Tracks:** Women’s Studies Track in Interdisciplinary Studies

**Minors:** Women’s Studies, Certificate

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://www.oeas.ucf.edu/alc/alc_students_cahum.htm
College of Business Administration

Dean: Thomas L. Keon; BA 230; 407-823-2181
Associate Dean: E. Taylor Ellis; BA 230L; 407-823-2187
Associate Dean: Jaishankar Ganesh; BA 230L; 407-823-5094
Interim Associate Dean: Foard Jones; BA 307

The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University’s mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

Nurturing Learning and Exploration: The College is a catalyst for students, faculty, and the general public to gain a better understanding of the various fields of business. Educational experiences inspire learning and encourage exploration.

Dissemination of Information: Students are encouraged through the learning process to gather information to be used by them in future business vocations. Both students and faculty are encouraged to pursue outlets to share “new” information within their fields and to business practitioners.

Provide Educational Opportunities: Degree seeking individuals are provided with curricula leading to baccalaureate, masters, and doctoral programs. The College is also committed to providing more opportunities with structured learning experiences that “certify” non-degree seeking individuals as having accomplished a minimum requirement for a selected career.

Provide a Platform for Partnerships: The College is engaged in specific areas of excellence that provide opportunities for learning, exploration, and sharing. These specific areas of excellence take the form of Centers and Institutes, and selected niche areas of College units.

All undergraduate and graduate programs are accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

Admission to the University of Central Florida does not imply admission to the College of Business Administration. For the BSBA and BABA degrees, students will only be allowed to enroll in the 3000/4000 level courses taught by the College of Business Administration after they have been admitted to the College. Admission to the College will be granted for BSBA and BABA students when the following are complete:

- Completion of the University General Education program or an AA degree from a Florida Public Community College, and a minimum GPA of 2.0.
- Common Program Prerequisites with a minimum of a 2.0 GPA and “C” or better in each class.
- Completion of all Gordon Rule requirements.
College of Business Administration

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of “C” (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at community colleges do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

BE2010
UCF Business. . . the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all course work: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity and constitute the BE 2010 curriculum. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

- GEB 3031 Cornerstone
- GEB 3356 Introduction to International Business
- BUL 3130 Legal and Ethical Environments of Business
- ECO 3411 Quantitative Business Tools I
- FIN 3403 Business Finance
- MAN 3025 Management of Organizations
- ISM 3011 Essentials of Management Information Systems
- MAR 3023 Marketing
- MAN 4720 Strategic Management

Grade Point Average Requirements
For graduation the student must have maintained a minimum 2.0 GPA in course work taken in the College of Business Administration and a minimum 2.0 GPA in the course work required in the major, and a UCF minimum GPA of 2.0. In addition, all majors within the College of Business Administration also require a grade of “C” (2.0) or better in each course within the major.

Student Load
A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term must obtain permission from the College.

Community/Junior College Transfer Notes
1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida’s community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 201 (or ACG 201 and ACG 202), ACG 202, ACG 203, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or OMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.
2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF's Business program. Only grades of “C” (2.0) or higher will transfer into the program.
3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements
   b. All of the common program prerequisite courses.
4. Courses taken at community colleges do not substitute for upper division courses.
5. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management Information Systems, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college courses.
7. A minimum of 12 credit hours must be completed at UCF within each individual major and 30 hours within the UCF College of Business.

Advisement
Undergraduate Student Services
Director: Randall Brumfield; BA 101; 407-823-2184
The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in BA111 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/uss/.

Programs and Degrees

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Departments and Programs
Kenneth G. Dixon School of Accounting
Director: R. Roberts; Director: BA 437; 407-823-2871
Assistant to Director: M. Hampton; BA 438; 407-823-5678
Faculty: Allen, Arnold, Benfors, Bobek, Dennis, Durham, Dwyer, Goldwater, Hampton, Hornik, Judd, Kelliher, Kintzly, Lacy, Lako, Robb, Roberts, Rouh, Smith, Sutton, Veit, Welch

Mission Statement
The mission of the Kenneth G. Dixon School of Accounting is to provide high quality undergraduate, graduate, and professional educational programs responsive to the needs of students, community, and the profession. Teaching, research, and service are the means of accomplishing this mission. The School offers rigorous programs emphasizing communication skills, critical thinking, ethical practices, interpersonal skills, and technical competence preparing graduates for entrance into the accounting profession. The School encourages intellectual contributions by faculty through instructional development, applied scholarship, and basic scholarship. The School provides service by participating in university governance, professional organizations, and professional educational programs. (Adopted by the faculty on March 4, 1993, and revised by the faculty on January 10, 1997.)

To prepare for any business career, a strong foundation in accounting and taxation will provide the variety of skills necessary to succeed in today's complex financial world. An accounting degree prepares students for entry into the fields of industrial, managerial or governmental accounting, with a strong potential for career advancement.

The objective of the baccalaureate program with a concentration in accounting is to provide students with technical accounting and business knowledge as a foundation for accounting career development. The undergraduate degree also is the first step toward becoming a Certified Public Accountant, Certified Management Accountant and Certified Internal Auditor. The Kenneth G. Dixon School of Accounting also offers master's degrees in accounting and taxation. These programs complete the education required to become a CPA. A rigorous and comprehensive accounting curriculum at UCF focuses on the real-world challenges of accounting, emphasizing problem solving, information analysis and computer applications.
Distinctive Benefits
- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching excellence.
- Over a dozen scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of the accounting and taxation programs.
- Outstanding pass rates on the CPA exam.

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

Department of Economics
Chair: W. Milton; BA2 305-D, 407-823-3266;
E-mail: economics@bus.ucf.edu

Faculty: Braun, Buhtagiar, Butterfield, Caputo, Charavorty, Dickie, Euzen, Gerkin, Gibbs, Harrison, Holfer, Martin, Mckone, Milton, Moore, Pennington, Potter, Rutstrom, Scrogin, Suskin, Underwood, White, Yang
Faculty Advisors: R. Pennington, BA2 303-B, 407-823-2640, E-mail: rrobertt@mail.ucf.edu; U. Chakravorty, BA2 302S, 407-823-4728; N. Underwood, B2 302N, 407-823-1403

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

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences and public policy.

Flexible Curriculum: Students tailor the program to their individual interests through a large selection of tracks and electives.

Opportunity for strong quantitative and analytical training.

Excellent preparation for law school admission.

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

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

Faculty: Ajayi, Anderson, Borde, Bots-Wright, Byrd, Chamblish, Chen, Curcio, Choi, Dalrymple, Fyre, Gatchev, Gilkeson, Gregg, Hoffman, Park, Phillips, Ramanal, Schnitzlein, Singer, Smith, Sweo, Strum, Weaver, Whyte

The program in finance is designed to provide the student with broad knowledge in finance, including business finance, investments, financial institutions, international finance, risk management and insurance, and real estate. The program provides the student with the theoretical background and tools of analysis required for making effective financial decisions. The study of finance prepares the student for careers in business financial management.

Distinctive Benefits
- Students prepare for career opportunities in business and corporate financial management, commercial banking, real estate, investment management and counseling, investment banking, mortgage banking, multinational business, insurance and government.
- Students who major in finance are sought by both financial and non-financial firms.
- The rapidly changing domestic and international economies need individuals who have the skills to make sound financial decisions.

Degrees: Finance (BSBA), Real Estate (BSBA)
Minors: International Business, Real Estate, Finance
Certificates: Banking, Commercial Real Estate, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

General Business
Faculty Advisor: F. Jones; BA 335; 407-823-2679

This option allows students to develop a general program of study which will satisfy career objectives not provided for by the specialized areas of concentration. To pursue this option, students should seek advisement in the Department of Economics. An academic advisor will be assigned to assist each student in developing a meaningful program of study.

Degrees: General Business (BSBA, MBA, Ph.D)
Minors: For non-Business majors

Department of Management
Chair: F. Jones; BA 335; 407-823-2679

Faculty: Ambrose, Becker, Blencze, Boettcher, Callarman, Cleaver, Connell, Daugherty, Folger, C. Ford, R. Ford, Gay, Harris, Holland, Haung, Keon, Kuenzi, Latham, Mayer, McDonald, Migenes, Nichols, O’Neal, Piccolo, Puchinschi, Quinn, Rockmore, Salvador, Schinke, Tzabbar, Viggiano

Tomorrow’s managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations.

The curriculum is designed so that students can choose to concentrate in specialized areas of Entrepreneurship and Human Resource Management, or students can choose to major in General Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.

The General Management major prepares students for a career that involves decision making responsibilities regardless of organization or assignment. The department goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Whether the student is studying leadership, motivation, staffing, or international management, the curriculum will sharpen students’ skills in problem identification, analysis, and solution. The major can lead to a variety of rewarding careers in management positions throughout the organization. The department offers more specialized training - using the same approach - via our Human Resource Management major. Career paths include positions in training and development, personnel and employee relations, equal opportunity and labor relations, human resource consulting, and more. For students interested in starting their own business or working for smaller fast growing organizations, the department offers specialized training via the Entrepreneurship Track.

Distinctive Benefits
- Excellent faculty, known for their creativity and enthusiasm in the classroom, and their commitment to students in and out of the classroom.
- A broad-based training that will open up opportunities in high-growth career areas.
- Internships that provide real-world experience and enhanced job opportunities.
- A “hands-on,” applied focus in our courses.
Degrees: Management (BSBA), Human Resources (MS)  
Tracks: General Management, Entrepreneurship, Human Resource Management  
Minor: Entrepreneurship

Department of Management Information Systems
Chair: P. Cheney, BA 325D; 407-823-3106, Fax 407-823-2389  
Faculty: Goodman, Hightower, Jiang, Leigh, Parikh, Saunders, Szymanski, West

Information systems form both the backbone and nervous system of virtually every business organization today. With the increasingly important role that information systems play in modern business organizations, the timing could not be better to enter this discipline. The objective of the Management Information Systems (MIS) program is to prepare students for exciting and challenging careers in the information systems arena.

MIS involves the study of how organizations use information and information technology to overcome problems or create opportunities. The MIS major prepares students to become problem solvers in a time when information is advertised as the "fourth factor of production," and in an era when government agencies report that one of ten information technology positions is unfilled.

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

The MIS major is ideal for students who excel at solving problems and who can take responsibility for implementing their solutions in working organizational systems. Students in the program are trained to be comfortable shifting between the big picture and the detailed view of a problem and its solution. They also have their communication skills refined so that they are better able to communicate effectively as they discover the nature of the organizational problem (or opportunity), as they present their solutions, and as they manage the system implementation.

Successful MIS graduates have a variety of career options open to them, which lead to competitive salaries and travel opportunities. While many graduates join internal MIS staffs or consulting firms, there is a wide array of choices available to them. Graduates can choose to work between large and small companies, emerging or stable industries, and from among a multitude of career paths.

Distinctive Benefits
- Challenging field of study that rewards inquisitive students who are willing to work toward a goal.
- Student internship opportunities throughout the Central Florida region.
- An active student organization (MISA).
- Excellent job opportunities and starting salary prospects.
- Ability for graduates to apply and integrate all of the functional areas of business early in their professional careers.

Degrees: Management Information Systems (BSBA), Master of Science, Management Information Systems (MS/MIS)  
Minors: Management Information Systems, Operations Management/Enterprise Systems

Department of Marketing
Chair: R. Michaels; BA 307; 407-823-2108  
http://www.bus.ucf.edu/marketing/index.htm

Faculty: Allen, Boniec, Davis, Desiraju, Echambadi, Ganesh, Gundy, Havercamp, Joshi, Krishnamoorthy, Mao, Massiah, Mayfield-Garcia, Michaels, Rubin, Sooder, Stock, Vanhouche

The Marketing major at UCF is called Impact Marketing 2010, or simply IM2010. It provides a superior education in the foundations of marketing such as research, consumer behavior, professional selling, management, and strategy. A wide assortment of electives is designed to let each student round out his/her education according to specific career interests, whether that might be retailing, advertising, e-business, research, sales, sports marketing, healthcare, entertainment marketing or services. Internships are also readily available and count as a marketing elective. Skills emphasized and developed throughout the curriculum are teamwork, communication, creativity, quantitative analysis, computing, problem solving, decision-making, thinking globally, and driving change.

A great benefit for Marketing majors is the opportunity to earn a certificate in any of seven areas of career interest: Selling and Sales Management, Retailing Management, E-Marketing, Sports Marketing Management, Healthcare Marketing, and Entertainment Marketing. Students can design a personalized certificate program combining elective courses with an internship that will enhance their value to potential employers.

The department offers an 18-hour minor in Marketing. This course of study provides a strong basic education in Marketing for business students with majors other than Marketing or students with majors from other colleges. Earning a minor in Marketing can add significant value and career flexibility for any student with any major.

Marketing is vitally important to all organizations and individuals, from global corporations to small businesses, from CEOs to the proprietors of small retail stores, from global manufacturing operations to a new dot com startup. Nearly one-third of the civilian workforce in the United States is employed in jobs related to marketing. Marketing offers a variety of interesting and challenging career opportunities, such as professional selling, retailing, advertising, marketing research, sports marketing, distribution and logistics, purchasing, and e-business. In addition, students with marketing degrees may find excellent job prospects in international markets. Marketing career opportunities also exist in a variety of non-business organizations, including hospitals, museums, universities, and government and social service agencies. Marketing also provides a strong career foundation for movement into top management positions.

Distinctive Benefits
- IM2010 program for Marketing majors recognized as one of the most innovative in the country.
- Seven certificate programs are available for Marketing majors.
- An 18-hour Marketing minor is available for students with other majors.
- Twenty-two dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offering each semester and summer - you can finish!
- Full-time faculty teach approximately 90% of undergraduate classes offered by the Department.
- Strong emphasis on preparing students for marketing management careers.
- Approximately 15 scholarships awarded annually on a competitive basis.
- Opportunities to participate in honors in the major, internships, independent projects, and directed studies.
- Opportunities to participate in national award-winning student chapters of the American Marketing Association and The Society for Marketing Professional Services (SMPS).

Degrees: Marketing (BSBA)  
Tracks: Generalist, Sales  
Minor: Marketing  

For more information, visit http://www.bus.ucf.edu/marketing, or call 407-823-2108. Department office is located in BA 353.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://www.ceas.ucf.edu/alc/alc_students_cba.htm

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College of Education

Dean: Sandra L. Robinson; ED 308; 407-823-5529
http://education.ucf.edu/

Executive Associate Dean: Jennifer C. Platt; 407-823-2046
Associate Dean: B. Grant Hayes; 407-823-5391
Associate Dean: Rex Culp; 407-823-3906

The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, and exceptional education, technical education and industry training, and sports and fitness professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education is the leading source of education baccalaureate degrees in the State of Florida.

Art Education
Early Childhood Education
Elementary Education
English Language Arts Education
Exceptional Student Education
Foreign Language Education
Mathematics Education
Science Education
Social Science Education
Sports and Fitness
Technical Education and Industry Training

Success to Significance
- America’s 100 Best Colleges of Education 2005
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with eleven Central Florida school districts
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- Florida’s Literacy and Reading Excellence Center (FLaRE)
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Programs in Education
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Majors in Early Childhood, Elementary, Exceptional and English Language Arts Education graduate with an ESOL Endorsement
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
- Florida Marriage and Family Research Institute
Admission to the College of Education

Admission to the College will be granted when students meet the following requirements:

- Complete the University General Education requirements or an equivalent (i.e. an AA degree from an approved Florida community college or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Education.
- Pass all four parts of the General Knowledge Test and/or CLAST examination. It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year.
- Complete education common program prerequisite courses with a minimum letter grade of “C-” (1.75) or better and a 2.0 GPA overall in the education common program prerequisite area.

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

New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   - Discuss College of Education admission requirements needed for enrollment in upper division education classes
   - Review degree program requirements
   - Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education Office of Student Affairs
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. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

Continuing students will:
1. Set up an appointment with their academic advisor upon acceptance to their major, or the Office of Student Affairs, if a “Pending” major, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View a Degree Audit through myUCF;
3. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line “Intent to Graduate Form” by the end of the term prior to the term in which graduation is intended.

Office of Student Affairs
Executive Director: Tina M. Smile, ED 110, 407-823-3723
http://education.ucf.edu/StudentAffairs/

Located in the Education Complex in Suite 110, the Office of Student Affairs is dedicated to facilitating the success of students seeking advisement, assistance, and support in the College of Education. The Office of Student Affairs is composed of Clinical Experiences, Minority Programs in Education (MPIE), Student Services, and the Academic Advising Center.

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

Clinical Experiences
Director: Bryan Zugelder; ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalexp/

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early practicum experiences, as well as internships. Placement of students is the responsibility of the College of Education’s Office of Clinical Experiences.

Students must be aware: that certain crimes may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences Web site and are approved by the Office of Clinical Experiences.

Application deadlines for all Internships are:
February 15 for Fall semester
September 15 for Spring semester

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

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

- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a “C-" (1.75") or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Complete a formal application for Internship I online by deadlines listed above.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student’s major
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

NOTE: It is highly recommended that students take and pass the FTCE Subject Area Examination before applying for Internship II.

Internship II
Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program coordinator and department chair. Internship II is a 12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II
Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam before applying for Internship II.
- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- Possess minimum professional preparation GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C-” (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas. (A minimum of 2.75 GPA is required for Early Childhood Education majors.)
Complete a formal application for Internship II by the published deadline
Be recommended by the faculty of the department of the student’s major
Meet any special departmental or program requirements

Students must also have completed all methods courses and most of their specialization courses. Some programs require all specialization courses to be completed prior to Internship II. Students must also be approved for admission by the faculty in the department of the student’s major. Internship II experience is completed locally and is arranged by the Office of Clinical Experiences.

*Some programs may specify a different GPA requirement for admission

**Minority Programs in Education (MPIE)**
Tina M. Smilie; ED 110; 407-823-0184
http://education.ucf.edu/mpie/

Minority Programs in Education (MPIE) is designed to recruit and retain diverse students as they prepare for a career in education. MPIE provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty mentor in the College.

**Program Objectives**
- Recruit and retain diverse students interested in careers in teaching
- Promote academic excellence and foster professional development
- Assist in job placement
- Encourage community involvement and commitment

**Scholarship Requirements**
Students must meet the following criteria:
- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida Resident
- Be admitted into the UCF-College of Education as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application
- Interview with the Scholarship Application Review Committee
- Submit two letters of recommendation and current resume
- Complete 40 hours of community service for each year the scholarship is received

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

**Student Services**
Director, Graduate Services: Andrea Withington, ED 110; 407-823-3723
Assistant Director, Undergraduate Services: Andrea Small, ED 110, 407-823-3723
http://education.ucf.edu/studentservices/

Student Services assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Education Pending majors are advised in Student Services. Students are assigned an advisor upon meeting College of Education admission requirements. Students are encouraged to make an early appointment with an academic advisor. Information regarding majors offered by the College of Education can be obtained in the Office of Student Affairs or at http://www.studentservices.education.ucf.edu/

Admission to the University of Central Florida does not imply admission to the College of Education. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education after they have been admitted to the College. Admission includes having a minimum 2.5 overall GPA (2.75 for Early Childhood Education) and passing scores on the General Knowledge Test (GKT).

**Graduation Requirements**
To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5 (2.75 for Early Childhood Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

**Alternative Certification for Non-Degree Students**
All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or masters degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.
College of Education

Academic Advising Center
Executive Director: Tina M. Smilie; ED 175; 407-823-0043
Undergraduate Coordinator: Jorri Bright; ED 175; 407-823-5369

The College of Education Academic Advising Center provides academic advising assistance for newly admitted elementary education students.

All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in, appointment and advising sessions.

Information sessions provide students with additional knowledge concerning their degree programs and responsibilities. The dates, times and locations of information sessions will be posted on the College of Education Web site.

Department of Child, Family, and Community Sciences
Chair: Anne McDonald Culp; ED 209-E; 407-823-1272
Assistant to the Chair: Roanne G. Brice; ED 206-H; 407-823-0664

Undergraduate academic major programs leading to bachelor’s degrees and certification are offered in Child, Family and Community Sciences. Students are responsible for completion of program requirements and are highly encouraged to review their programs with an assigned advisor.

Students who major in Early Childhood Education are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate (Pre-Kindergarten Exceptional Student Education is embedded in this certification).

Students majoring in Exceptional Education are qualified to teach K-12 in Exceptional Student Education upon graduation and receipt of a Florida Teaching Certificate.

Several graduate level programs are available in the department: Counselor Education, http://www.ucfcounselored.org/Welcome.html

See individual program Web sites and the graduate catalog for additional details. You can start by going to the CFCS Web site: http://education.ucf.edu/cfcs/

Department of Educational Research, Technology and Leadership
Chair: Conrad Katzenmeyer; ED 209-H; 407-823-4835
Assistant to the Chair: Michelle Spinella; ED 206-B; 407-823-0623

The Department of Educational Research, Technology and Leadership (ERTL) is a graduate department with programs in Educational Leadership K-12, Instructional Technology/Media, and Higher Education and Policy Studies. The Educational Research faculty is responsible for training students college-wide in Educational Research, Measurement and Evaluation.

ERTL is guided by the University mission: “achieving international prominence in key graduate education and research programs, developing a global perspective in the curriculum, promoting inclusiveness and diversity, and helping UCF become America’s leading partnership university; and by the College of Education’s vision of “scholarly leadership in the education profession, well-educated students, rigorous curricula, research and scholarship, promotion of social justice, and service.”

Department of Educational Studies
Chair: Karen L. Biraimah; ED 209-B; 407-823-2426
Assistant to the Chair: Brenda Thompson; ED 206-E; 407-823-6579

The Department of Educational Studies serves all students in the College of Education. The Department provides instruction in the core professional courses that address the competencies and skills needed by all undergraduate majors. These courses emphasize learning theory, teaching strategies, diversity, and the social, philosophical and historical foundations. The Department provides courses for all masters and doctoral programs in education, and coordinates the core courses for the Education Doctoral Program and the Graduate Certificate in Initial Teacher Professional Preparation. The Department houses the Specialist in Education program, the M.A. in Applied Learning and Instruction, the M.A. in Curriculum and Instruction and the M.Ed. in Teacher Leadership and Graduate Certificate options in Gifted Education, Urban Education, and Multicultural and Global Education. Educational Studies graduate courses provide opportunities for students to advance their knowledge and skills related to multicultural, social, and psychological factors, curriculum and instructional theories, and the historical and philosophical factors that influence education. The department also houses the Educational Studies Minor and the Educational Studies Certificate and Substitute Teaching Certificate programs.

Department of Teaching and Learning Principles
Chair: Michael Hynes; ED 209-D; 407-823-2005
Assistant to the Chair: Janet Zajac, ED 206-C; 407-823-0523 and Maria Cox, ED 206-D; 407-823-1763

Elementary/Middle Education
The Elementary Education program is designed for prospective teachers interested in the education of children, five through twelve years of age. Students who major in elementary education are qualified to teach grades kindergarten through six upon graduation and receipt of a Florida teaching certificate.

Secondary/Post Secondary Education and Training
Programs in this area are designed for prospective teachers/trainers interested in working with students in a specific academic or vocational area in middle/junior high school, high school, selected postsecondary educational settings, and selected technical training settings in business and industry. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education, and Technical Education and Industry Training. Graduate level programs are available in Art Education, Elementary Education, English Language Arts Education, K-8 Mathematics and Science Education, Mathematics Education, Science Education, Social Science Education, Reading Education and Vocational Education. The Ph.D. in Education is available with tracks in Mathematics Education, Elementary Education, Science Education, Social Science Education, and Art Education.

K-12 Education
Programs in this area are designed for prospective teachers in content areas that may be applied in any school setting from Kindergarten through grade twelve. Specialization is available in Art Education and Foreign Language Education (French or Spanish). Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education are located at: http://oeas.ucf.edu/alcate/students_coe.htm
College of Engineering and Computer Science

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

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

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

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

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

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

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

Undergraduate Majors and Degrees

Aerospace Engineering: BSAE
Civil Engineering: BSCE
Computer Engineering: BSPE
Computer Science: BS
Construction Engineering: BSCoE
Electrical Engineering: BSEE
Electrical Engineering Technology - Electrical Systems Concentration: BSEE
Engineering Technology - Design Concentration: BSET
Engineering Technology - Operations Concentration: BSET
Environmental Engineering: BSVE
Industrial Engineering: BSIE
Information Systems Technology: BS
Information Technology: BS
Mechanical Engineering: BSME

Accelerated BS/MS Degree Program

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

College Vision

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

College Mission Statement

The CECS primary mission is to further the knowledge and practice of the engineering and computer science professions nationally and internationally by:

- EDUCATION: Providing the highest quality and innovative learning/teaching environment in undergraduate and graduate curricula, to prepare a diverse student body to be effective, contributing members of a technological society, and lifelong learners.
- RESEARCH: Expanding the knowledge base of engineering and computer science through dynamic research and, applying new discoveries for problem solving.
- PARTNERSHIPS: Providing collaborative leadership with external partners in advancing technological breakthroughs for the economic, and social well-being of humankind.
- OPPORTUNITY: Extending educational opportunities to technology practitioners locally, nationally, and globally to enhance human performance, and economic, and technical development.

College Core Values

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

College Goals

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

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

College Organization

The College of Engineering and Computer Science is organized into three major divisions: the Engineering and Computer Science Division, the Engineering Technology Division, and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of the School of Electrical Engineering and Computer Science (EECS) and three engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The School of Electrical Engineering and Computer Science is comprised of Computer Science, Information Technology, and Electrical and Computer Engineering. The Engineering Technology Division is comprised of the Engineering
The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering, engineering technology, and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students contribute academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

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

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

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and would like to have the experience of an Honors curriculum, and 2) the Honors in the Major Program (HIM). The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs except for Electrical and Computer Engineering. Electrical and Computer Engineering students in the HIM program use the HIM credits in lieu of Senior Design I and II. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

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

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

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering Technology/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this program.

Application for admission to the Honors in the Major Program must be made to the College of Engineering and Computer Science Honors Director, Niels Lobo (Computer Science), Harris Corp. Engineering Center, Room 252, or Mohamed Abdel-Aty, (Engineering) Engineering Building 2, room 301H. For more information about The Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineers, engineering technology, and computer science students may also participate in the LEAD (Leadership Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering, Engineering Technology, and Computer Science Programs

Information on each UCF engineering, engineering technology, computer science, and information technology program follows, and more current information can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering
Chair: Lakshmi N. Reddi; ENG2 211; 407-823-2841; Fax: 407-823-3315; http://www.cece.ucf.edu

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

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

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, technology (ENT) Department, and the ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering, engineering technology, and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students contribute academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

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

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HIM).
geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a minimum of two Project Design Courses, which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission
The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Civil Engineering graduate education and research.

Program Objectives
Within the first several years following graduation, graduates should:
- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

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

Program Outcomes
1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from physics such as vector mechanics and equilibrium.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive civil engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

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

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

Mission
The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering graduate education and research.

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

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

Program Outcomes
1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from chemistry such as stoichiometry, kinetics, equilibrium and gases.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive environmental engineering design project incorporating the use of design and
regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

**The Construction Engineering Program**

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a minimum of two Project Design Courses, (Construction Engineering Design and Geotechnical Engineering Design), which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

**Mission**

The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:

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

**Program Objectives**

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.

- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

**Educational Objectives**

1. Produce graduates who have technical knowledge that is fundamental to the principles of critical areas of Construction Engineering and Management such as construction process design, cost estimating, scheduling, construction methods and equipment, and project administration and control.
2. Provide a professional engineering education that challenges our graduates to think critically and that will prepare them for a successful professional career.
3. Ensure that all our undergraduate students gain knowledge of business, management, legal, and professional issues.
4. Form and maintain partnerships with industry, government agencies, and professional organizations.
5. Develop awareness of the changing needs of society and local, state, national, and global environment and infrastructure.
6. Provide our graduates with a strong knowledge base to enhance their professional skills and develop their abilities to perform credible research.
7. Provide a knowledge base necessary for the engineering management of construction projects including management principles, process improvement, and legal concepts.

**Program Outcomes**

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will demonstrate knowledge of estimating, scheduling, project control, resource allocation, risk management, and legal issues.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will demonstrate proficiency in the design of construction processes, methods, and safety.
10. Graduates will be able to complete a comprehensive real-world construction engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

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

**Department Policy for Double Major in Civil, Environmental, and Construction Engineering**

The faculty of the Civil, Environmental, and Construction Engineering Department believe that a double major from the department should reflect a significant achievement of students, and therefore a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Civil, Environmental, or Construction Engineering desiring to obtain a double major shall meet the following requirements:

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

**Additional notes:**

All students, by meeting the requirements for each degree, will be able to represent themselves as a Civil Engineer, an Environmental Engineer, a Construction Engineer or a combination thereof.

The double major program for a student must be approved by the Chair in the final year. This eliminates last-minute confusion by the student and allows the Chair time to review the technical elective, and the specific design courses being taken by each student.

The extra hours represent at least one additional semester of full time enrollment, and represents the minimum requirements for the double major.

The 17 hours of extra courses required for Civil Engineering majors pursuing Environmental Engineering as a second major would include all the required courses of Environmental Engineering: CHM 2046L, EES 4202C, EES 4111C, ENV 4120, ENV 4341, and a Biological or Earth Science, whichever course was not taken to satisfy the GEF.

The 21 hours of extra courses required for Environmental Engineering majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: SUR 2101C, CES 4100C, CEG 4011C, TTE 4004, CGN 3501C or EGN 3365, and either CES 4605 or CES 4702.

The 13 hours of extra courses required for Construction majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: CWR 4101C, CWR 4203C, EGN 3373, EGN 3343, and ENV 4561.

The 16 hours of extra courses required for Civil Engineering majors pursuing Construction Engineering as a second major would include all the required courses of Construction Engineering: CCE 4004, CCE 4402, CCE 4813, CCE 4034, and CCE 4810.

One diploma indicating only one major will be awarded, both.
majors will be indicated on the student’s transcript. If a student desires two separate diplomas, a B.S.C.E., a B.S.Env.E., and/or a B.S.Con.E., this is permitted, per university policy, for students who have a minimum of 150 credit hours.

School of Electrical Engineering and Computer Science
 Director: Issa Batarseh; HEC 437; 407-823-3957
Faculty: Bassioumi, Batarseh, Behal, Behdad, Boloni, Chatterjee, da Vitoria Lobo, DeMaria, Deo, Dutton, Foroosh, Gallagher, Georgiopoulos, Gomez, Gong, A. Gonzalez, Guha, Haralambous, Heinrich, Hua, Hughes, Jones, Kasperar, Lang, LaViola, Leavens, Lee, Liou, Llewellyn, Malocha, Marinescu, Mikhail, Mukherjee, Orooji, Pattanaik, Qu, Richie, Rolland, Shah, Shen, Stanley, Sukthankar, Sundaram, Tappen, Turgut, Wahid, Wang, Weeks, Wei, Wocjan, Workman, A. Wu, T. Wu, Yuan, Zhang, Zhou, Zou

The Computer Science Program
The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition, the program offers minors in Computer Science and Information Technology.

The program strives to meet the requirements for professional careers and research in software development and computing systems technology by producing graduates with a broad base of formal coursework. Students may use required elective credit to concentrate their degree in one of many research areas, including computational biology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases systems, design and analysis of algorithms, distributed computing, digital media, evolutionary computing, graph theory, human-computer interaction, machine learning, mixed and virtual reality, multi-agent systems, natural language processing and knowledge-based systems, neural networks, operating systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds from EECS. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the EECS home page at http://www.eecs.ucf.edu/.

Mission
The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing technology, and for a lifetime of learning.

Educational Objectives
1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

Program Outcomes
1. CS majors shall demonstrate knowledge of discrete and continuous mathematics and their skills in applying logic and mathematical proof techniques.
2. CS graduates shall demonstrate knowledge and skill in algorithm design and complexity analysis.
3. CS majors shall demonstrate knowledge of programming fundamentals by their degree of programming skill using at least three programming languages dominant in the computing industry.
4. Graduating CS majors shall demonstrate knowledge and understanding of the concepts, design principles and fundamental algorithms relating to computer architecture and organization, computer operating systems, computer networks and distributed computing.
5. Graduating CS majors shall demonstrate their effectiveness in technical oral and written communication skills, particularly as these skills apply to the dissemination of technical information on subjects dealing with computing technology and applications.
6. Graduating CS majors shall demonstrate knowledge of fundamental concepts and principles in software engineering and the skills to apply best-practices in software development processes, methods and tools.
7. Graduating CS majors shall be highly competitive professionals in the market place of entry level jobs requiring technical skills in application software development.
8. Graduating CS majors shall be highly competitive in their acceptance for advanced study at colleges and universities ranked in the same tier with UCF or higher.

The Information Technology Program
The Information Technology program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer hardware, software, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web server design. The program provides students a strong conceptual core, which will prepare them to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to deal with the subject areas and communicate in the parlance of the industries in which they choose to work. The curriculum also includes up to 12 hours of free electives that allow students to pursue a minor degree or concentration area such as education, health, business, or criminal justice, to which information technology may be applied.

Mission
The mission of the Bachelor of Science in Information Technology Degree Program is to educate students in the science and practices of information technology, preparing them for a lifetime of learning and for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.

Educational Objectives
1. To prepare IT graduates with the knowledge and skills necessary to be effective professional contributors or leaders in the design, administration and management of information technology systems, databases and networks commonly used by industry, government, education, research and non-profit organizations.
2. To prepare IT graduates for professional careers in roles including, but not limited to, the following: IT manager, IT systems analyst, network designer, network administrator, network security administrator, web applications developer, system administrator, IT project lead, IT quality assurance.
3. To equip IT graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical users of information technology systems and applications.
4. To prepare IT graduates with the knowledge and skills to conduct advanced studies and research in disciplines for web-based applications, networking, information storage and retrieval, IT security, electronic commerce.

Program Outcomes
1. Demonstrate expertise in the main content knowledge of information technology.
2. Effectively use information science and technology frameworks (concepts, principles, methods, languages and theories) to design, analyze, and construct solutions in a network-based environment.
The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering.

Educational Objectives

The educational objectives are to prepare:

1. Students for careers in industry or technical entrepreneurship within the electrical engineering field.
2. Interested students for pursuit of graduate study and advanced degrees at UCF or elsewhere, and
3. Students for advancement within the professional community through ethical engineering practices and career-long learning processes.

Program Outcomes

Graduates of the Computer Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering,
2. An ability to design and conduct experiments, as well as to analyze and interpret data,
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability,
4. An ability to function on multidisciplinary teams,
5. An ability to identify, formulate, and solve engineering problems,
6. An understanding of professional and ethical responsibility,
7. An ability to communicate effectively.
School of Electrical Engineering and Computer Science Policies and Procedures
The School’s web site (http://www.eecs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems
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Faculty: Calabrese, Crompton-Young, Elshennawy, Geiger, Hoekstra, Karwowoski, Kotnour, Lee, Malone, McCauley-Bush, Mollaghasemi, Naznaz, Pet-Armacost, Proctor, Rabelo, Reilly, Sala-Diakanda, Sepulveda, Thompson, Williams

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

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

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facility design and plant layout in EIN 4334. The design experience concludes with a real-world systems design in the two-semester capstone design sequence, EIN 4516 and EIN 4891.

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

1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations as well as in start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and interpersonal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:

1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary teams.
7. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value lifelong learning.

Program Outcomes:

1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary global, economic, and social perspectives into the practice of industrial engineering.
8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems.
9. Students will explore options for professional growth, including graduate study, conference attendance, and professional society participation.

10. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.


Department of Mechanical, Materials, and Aerospace Engineering
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Faculty: An, Basu, Bishop, Q. Chen, R. Chen, Chew, Cho, Chow, Coffey, Fang, Fenton, Gordon, Houc, Huang, Ilegbusi, Kapat, Kassab, Kumar, Lin, Minardi, Mosleh, Orlovskaya, Raghavan, Seal, Sohn, Suryanarayana, Vaidyanathan, C.Xu, Y. Xu

The Department of Mechanical, Materials, and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in thermofluids, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, CAD/CAM/FEM, feedback control and mechatronics, fluid mechanics, heat transfer, and structure and properties of materials.

Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

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

Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives

1. Career Preparation: The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.
2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. Life-long Learning: To produce graduates who believe that their undergraduate aerospace engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes

1. An in-depth understanding of engineering principles and aero-space concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structure, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, altitude determination and control, launch processing, space structural dynamics, etc.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently use information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.

Mission: Mechanical Engineering

In support of the University and College missions, the Mechanical Engineering program at UCF is committed to:

1. Provide the highest quality engineering professionals and leaders.
2. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues.
3. They will be educated to be life-long learners, pursuing their personal and professional development.

Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives

1. Career Preparation: The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanical systems, energy systems, or materials, and will have a command of corresponding engineering principles. Among the career opportunities are power generation, mobility engineering, manufacturing, nuclear applications, from zipper to space shuttle.
2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. Life-long Learning: To produce graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes

1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems, energy systems or material engineering with an emphasis on design.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently use information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary mechanical engineering applications of technology and their uses in engineering practice.

Department of Engineering Technology

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Program Coordinator BSET Programs: E. Divo; ENGR 207: 407-823-4753
Program Coordinator: BSET Programs: A. Rahrooh; ENGR 207; 407-823-4749
Program Coordinator Information Systems Technology: B. Mottligh; ENGR 207; 407-823-4748

Faculty: Ali, Burroughs, Craigie, Divo, Ducharme, Mehrabian, Mscioni, Morse, Mottligh, Osborne, Polit, Rahrooh, Shepard, Sleit, Yousef
Mission
The mission of the Engineering Technology program is to educate students to become professional technologists who meet the current needs of industry.

Bachelor of Science in Electrical Engineering Technology (BSEET)
This program in electrical engineering technology, leading to the BSEET degree, provides a structured curriculum with instruction in fundamentals and engineering principles applicable toward working with both present and future technologies in a variety of work environments. Graduates may find employment opportunities in diverse fields as aerospace, instrumentation, computers, communications, consumer products, banking, and education. They may become involved in applied design, product development, manufacturing, quality assurance, production, and activities as well as activities such as field engineering, sales, system analysis, technical writing, and software design, preparation, and programming.

The EET program provides three paths of concentration, thereby providing the student a choice between either a hardware or a software emphasis. The concentration in Electrical Systems provides a broad-based curriculum in electrical/electronic engineering principles, and their application. Instruction and problem-solving experiences are provided in both circuit and system aspects including computers, communications, controls, and electrical power. The concentration in Computer Systems, while providing a firm foundation in electrical/electronics technology, also includes extensive instruction in programming, systems design, and systems programming. Projects in solving real-world problems are required of all students in this concentration. The concentration in Photonics provides a background in optics, lasers, electrical systems, and the use and theory of light. It is designed to provide the necessary education for a career in the photonics industry.

Educational Objectives:
1. Objective 1 (Technical Knowledge) - Broad knowledge of electrical/electronics, engineering technology practices to support design, application, installation, manufacturing, operation, and maintenance as required by their employer.
2. Objective 2 (Technical Skills) - Apply basic mathematical and scientific principles for technical problem solving in areas which include circuit analysis of both analog and digital electronics, microprocessors...
3. Objective 3 (Computer Skills) – Utilize computers and software in a technical environment.
4. Objective 4 (Communication Skills) - Demonstrated competence in written and oral communications.
5. Objective 5 (Professional Skills) - Work effectively as an individual and as a member of a multidisciplinary team.
6. Objective 6 (Social Awareness) - Awareness of social concerns and professional responsibilities in the workplace.
7. Objective 7 (Life-long Learning) - Continued professional training and ability to adapt to changes in the workplace through formal and informal education.

Program Outcomes:
Students should be able to:
1. Apply basic knowledge in electronics, electrical circuit analysis, power systems, microprocessors, photonics, programmable logic controllers, and control systems.
2. Apply basic mathematical, scientific, and engineering concepts to technical problem solving
3. Conduct experiments, and then analyze and interpret results
4. Apply creativity through the use of project-based work to design circuits, systems, and processes
5. Work effectively in teams
6. Demonstrate a working knowledge of drafting, computer usage, including the use of one or more computer software packages for technical problem solving
7. Communicate effectively orally, visually, and in writing
8. Recognize the need for lifelong learning and be prepared to continue their education through formal and informal study
9. Understand professional, ethical and social responsibilities
10. Have a respect for diversity, and a knowledge of contemporary professional, societal, and global issues
11. Have a commitment to quality, timeliness, and continuous improvement

Bachelor of Science in Engineering Technology (BSET)
The BSET curriculum consists of a carefully integrated program that includes professional studies, general education, and applied mathematics and sciences. Through the selection of the upper level technical concentration students can build and tailor their program, based on previous knowledge to assist them to launch a career that best meets their needs and aspirations. The Design concentration provides advanced course work in preparation for employment at the baccalaureate level in the fields of manufacturing, testing and fabrication of mechanical parts, and the building and construction industries. Graduates may become involved in applied design, product development, manufacturing, or production, to name but a few. The Operations concentration provides an orientation for professional careers in technical management and operations in the manufacturing, sales, services, and construction industries. Graduates may become involved in many diverse areas including product development, manufacturing, quality assurance and logistics, sales, field engineering, technical writing and safety. The Space Science Technology concentration prepares students for a career in launch and space operations, payload management, and other requirements to work in the space industry. Projects in solving real-world problems are required of all students in the BSET program. In addition to the engineering technology core, all concentrations in the BSET program have a common lower division core as well as a common upper division core.

Educational Objectives:
1. Career: Graduates will have a broad understanding of the key principles and practices of engineering technology, the written and oral communications skills, and the ability to work with others to apply these skills and knowledge to the design, implementation, and maintenance of systems within their concentration: industrial operations, mechanical design, construction design, space science, or geomatics.
2. Skills: Graduates will have an understanding of the mathematical and scientific concepts that underlie engineering technology applications, will apply this understanding, and acquire new skills and knowledge necessary to analyze technology problems and develop suitable solutions.
3. Professionalism and Ethics: Graduates will have an understanding of the ethical, human, and social issues of their field and will be involved members of the local and global communities acting as responsible technical professionals.
4. Life-Long Learning: Graduates will be active contributors to their profession with a strong commitment to continuous individual and organizational improvement, effective communication, teamwork, quality, and timeliness.

Program Outcomes:
Graduates will be able to:
1. Demonstrate an appropriate mastery of the knowledge, techniques, skills, and modern tools of industrial operations, design, space science, or geomatics.
2. Demonstrate an ability to apply current knowledge and adapt to emerging applications of engineering and technology within industrial operations, design, space science, or geomatics.
3. Demonstrate an ability to conduct, analyze, and interpret experiments within industrial operations, design, space science, or geomatics.
4. Apply creativity in the design of projects within industrial operations, design, space science, or geomatics.
5. Demonstrate an ability to function effectively on teams.
7. Demonstrate written and oral communication competencies in Engineering Technology.
8. Recognize the need to engage in lifelong learning through formal and informal study.
9. Demonstrate understanding of professional, ethical, and social responsibilities.
10. Demonstrate a respect for diversity, and a knowledge of contemporary professional, social and global issues.
11. Display a commitment to quality, timeliness, and continuous improvement.
Bachelor of Science in Information Systems Technology (BS)
The Engineering Technology Department also offers the Bachelor of Science degree in Information Systems Technology (BS), designed to accept Associate of Science (AS) degree graduates from community college programs in Computer Programming Technology, Digital Communications, and Networking. The IST curriculum provides the AS graduate with additional course work in networking and computer systems. It also provides skills and knowledge related to project management in Information Technology. A characteristic of this curriculum is that it contains less mathematics and natural science than do the BSET and BSEET curricula.

Educational Objectives:
1. Graduates will have a broad understanding of the key principles and practices of information systems and technology, including the application of their skills and knowledge to the design and implementation of information technology systems.
2. Graduates will have an understanding of the mathematical and scientific concepts that underlie information systems, and will have applied this understanding, as appropriate, in analyzing the application to real-world problems and designing suitable solutions.
3. Graduates will have an understanding of ethical, human and social issues, and will be informed and involved members of their local and global communities, and responsible information systems and technology professionals.
4. Graduates will have appropriate interaction and organizational skills, and will be routinely using and further developing these skills in their professional careers.
5. Graduates will be actively engaged in learning, understanding, and applying new ideas and technologies as the field evolves.

Program Outcomes:
1. An ability to apply knowledge of computing and mathematics appropriate to the discipline
2. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution
3. An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs
4. An ability to function effectively on teams to accomplish a common goal
5. An understanding of professional, ethical, legal, security, and social issues and responsibilities
6. An ability to communicate effectively with a range of audiences
7. An ability to analyze the local and global impact of computing on individuals, organizations and society
8. Recognition of the need for, and an ability to engage in, continuing professional development
9. An ability to use current techniques, skills, and tools necessary for computing practices
10. An understanding of processes that support the delivery and management of information systems within a specific application

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

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

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

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

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

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

Air Force ROTC Scholarship Program
Scholarships are phased between two and four years and are awarded on a competitive basis. Depending on state residency and credit hours, these scholarships may provide for full tuition and fees, and an allowance for textbooks. For additional information on Air Force ROTC call 407-823-1247 or visit our web site at http://airforce.ucf.edu or e-mail us at AFROTC@mail.ucf.edu. This information is subject to change.

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

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

Chair: LTC Sean Morgan, Trailer 501, Room 110
Faculty/Staff: LTC (R) Morales, MAJ Celeste, MAJ Smith, CPT Hall, 1LT Alexander, MSG Coella, SFC Satchell, Ms. Brown, Ms. Connor, Mr. Rivera; Ms. Betty Martin, Office Manager; 407-823-2430, Fax 407-823-5324
http://army.ucf.edu

The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus.

Curriculum

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

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

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

2. Advanced Military Science
   A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) consists of four semesters of classroom instruction of two hours each week and a two hours leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair prior to participating in the Advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.

   B. Requisites for Admission to the Advanced Course:
      - Successful completion of Basic Course or placement credit
      - Must be at least 17 years of age at the time of entry, but not more that 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)

   - Successful completion of an Army physical examination
   - Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
   - Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
   - US Citizen
   - A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

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

4. Scholarships
   Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or attend and board not to exceed $10,000 and $12,000 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

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

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

Summer Training Courses

1. Basic Course Summer Training (Leader Training Course)
   Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Summer Training Courses

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

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at: http://oeas.ucf.edu/alc/alc_students_coecs.htm
College of Health and Public Affairs
Dean: Michael L. Frumkin, HPA 365, 407-823-0171
http://www.cohpa.ucf.edu

Associate Dean, Graduate Studies and Technology:
Stephen Holmes, HPA 365, 407-823-0171

Associate Dean, Undergraduate Studies:
Pamela Kirby, HPA 365, 407-823-0171

Associate Dean, Student/Personnel Affairs:
Pamela Kirby, HPA 365, 407-823-0171

Associate Dean, Research:
Thomas Wan, BNT 108, 407-823-0170

Associate Dean:
Joyce Dorner, M.N., HPA 365, 407-823-0171


The College fosters excellence in undergraduate and graduate education, research and community services in health, social and justice services. In addition to a PhD program in Public Affairs the College houses both undergraduate and graduate interdisciplinary programs that contribute to a solid educational foundation in public affairs.

General Requirements for the Bachelor's Degree

Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the Programs in Athletic Training, Cardiopulmonary Sciences, Health Information Management, and Radiologic Sciences.

Application must be made to the appropriate program. Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College Web site.

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

Academic Advisement

Undergraduate Student Services
Executive Director: Judith A. Sindlinger, HPA2 115, 407-823-0010, E-mail: hpainfo@mail.ucf.edu

The College of Health and Public Affairs Undergraduate Student Services assists undergraduate students in understanding college and university requirements and procedures as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to stay on track by taking the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office. Faculty advisors are assigned to students upon admission to their degree program in their academic department.

Programs and Degrees

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<tr>
<td>Criminal Justice</td>
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<td>Health Sciences - Athletic Training</td>
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Department of Communication
Sciences and Disorders
Chair: R. J. Lieberman, HPA2 101, 407-823-4798
http://www.cohpa.ucf.edu/comds

Undergraduate Coordinator: Jamie Schwartz
Clinic Director: TBA, Research Pavilion Suite 155, 407-249-4770


The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathology or audiology assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers an array of courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA, PhD in Education, Communication Sciences and Disorders Track)
Tracks: None
Minors: Communication Sciences and Disorders, American Sign Language and Deaf Studies
Certificates: American Sign Language, Language Development and Disorders

Department of Criminal Justice and Legal Studies
Chair: Robert Langworthy, HPA 311, 407-823-2603

The Department of Criminal Justice and Legal Studies includes two undergraduate degree programs: Legal Studies and Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society and Phi Alpha Delta the Legal Studies professional society.

Program in Criminal Justice
Criminal Justice is a problem-based field of study which focuses on the nature of crime and crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

Program in Legal Studies
The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Department of Health Management and Informatics
Interim Chair: Aaron Liberman, HPA 210, 407-823-2359

The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration
Director: K. Cortelyou-Ward, HPA 210, 407-823-2359

The department offers a baccalaureate degree in Health Services Administration. The baccalaureate degree is designed for students who desire to study the business side of health care. The primary goal of the program in Health Services Administration is to prepare managers to direct a variety of health care organizations such as hospitals, HMO’s, clinics and any other organization involved in the delivery or management of health care services. The undergraduate curriculum is consistent with the curricular requirements of the Association of University Programs of Health Administration, stressing administration, policy and planning skills. A diverse health care community offers students a variety of internship experiences as well as providing placement opportunities upon graduation. Faculty members are actively engaged in research relating to management, conflict resolution, occupational stress, outcome assessment, and integrated delivery mechanisms.

Persons within the health care industry with associate of science degrees in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program provides a migration path from the clinical side of the health care industry to the leadership side. Students willing to develop a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

Program in Health Information Management
Director: A. Noblin, HPA 210, 407-823-2353

Health Information Managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The HIM Program is a limited access program and requires a separate application to the program by March 1 of the year in which admission is sought. Graduates of the Health Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).
Department of Health Professions

Interim Chair: Aaron Liberman, HPA2 210, 407-823-2359

Faculty: Angelopoulos, Bertetta, Douglass, Gosnell, Hanney, Lee, McDonough, Salter, Schellhase, Segal, Smith, Wagner, Worrell.

The Department of Health Professions offers baccalaureate programs which prepare students for professions in the fields of Cardiopulmonary Sciences (Respiratory Care), Health Information Management, Athletic Training, Health Services Administration, and Radiologic Sciences. The Department also offers a degree in Health Sciences - Pre-Clinical for those planning to go on to a graduate clinical professional program.

The mission of the Department is to provide quality undergraduate and graduate academic, administrative, and clinical instruction with an accent on educating future leaders of the health care system. The Department seeks first to strengthen existing programs, as well as to identify and develop new programs that fulfill a documented need for health care resources and technology. Another goal is to foster the development of knowledge through research, publications, and scientific presentations. Finally, the Department seeks to provide continuing education for the health care community and consumer health education.

The programs in Cardiopulmonary Sciences, Health Information Management, and Radiologic Sciences require a minimum overall GPA of 2.5 for consideration for admission and the Athletic Training program requires a minimum overall GPA of 2.75. In addition, for admission a minimum grade of “C” (2.0) is required for prerequisite courses and required courses within the program. These programs are all accredited by their national professional associations and graduates are prepared to take the appropriate examination for certification.

Program in Cardiopulmonary Sciences

Director: Steve Shideler, HPA2 210, 407-823-2214

The major in Cardiopulmonary Sciences (also known as Respiratory Care) leads to the Bachelor of Science Degree. In the professional curriculum, students study respiratory therapy skills, pharmacology, life support techniques, disease and patient assessment, and patient management. Upon completion of the undergraduate program, the baccalaureate prepared individual will possess basic patient care and advanced practice patient care skills and should be prepared to assume a future leadership role within the profession. Graduates will also be prepared to take the entry-level and advanced practice national examinations. These examinations will first lead to licensing by the State of Florida (CRT examination), and then to the advanced practice credential, Registered Respiratory Therapist (RRT examination).

The Cardiopulmonary Sciences program is accredited by the Committee on Accreditation for Respiratory Care in conjunction with the Commission on Accreditation for Respiratory Care (CARC). The program in Florida is the only public accredited program in the State of Florida for Respiratory Therapy. Students who achieve a grade point average of 2.5 or better are eligible to graduate. The program is designed to provide students a broad understanding of the respiratory therapy field.

Degree: Cardiopulmonary Sciences (BS)
Tracks: None
Minors: None

Program in Health Sciences-Athletic Training Track

Director: Kristen C. Schellhase, HPA2 124, 407-823-3463

The Program in Athletic Training at the University of Central Florida is a track in the Health Sciences. The athletic training track is a six semester program where students complete 12-15 credits per semester. The clinical affiliations are with various local hospitals, clinics, and other health care facilities. The core curriculum emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an approved clinical instructor and certified athletic trainer. These local affiliation sites include high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Health Sciences – Athletic Training Track is eligible to take the National Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). This is a competency-based program that requires a separate application process following acceptance into the University. Consent from the program director is required.

Degrees: Health Sciences (BS)
Tracks: Athletic Training
Minors: None

Program in Health Sciences-Pre-Clinical Track

Director: David M. Segal, Ph.D., HPA2 203, 407-823-6781, E-mail: dssegal@mail.ucf.edu

The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, pharmacy, physical assistant, medicine, dentistry, and veterinary medicine. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health, or Health Services Administration.

Degrees: Health Sciences (BS)
Tracks: None
Minors: Health Sciences

Program in Radiologic Sciences

Director: S.D. Gosnell, HPA2 208, 407-823-2747

The University of Central Florida offers the only public accredited Bachelor of Science in Radiologic Sciences limited access degree program in Florida. The Radiologic Sciences Program offers entry-level students the opportunity to specialize in conventional radiography and the advanced imaging modalities. Radiographers are integral members of the health care team dedicated to providing high quality patient care. Graduates are prepared to function as clinically competent radiographers and, with experience, advance to leadership positions in the profession.

The University of Central Florida also sponsors an A.S. to B.S. transfer program designed for ARRT certified radiographers interested in combining their professional development with earning a baccalaureate degree in Radiologic Sciences. Didactic courses for the entry-level and the A.S. to B.S. transfer programs are offered in the classroom and on the internet. Additional information regarding the transfer program is provided in the “Statewide Articulated A.S. to B.S. Programs” section of the catalog.

The primary role of radiographers is to perform medical imaging procedures for the diagnosis of disease and injury. The radiographer enjoys an interesting and challenging variety of examinations/procedures which may include conventional fluoroscopy, mammography, vascular imaging, computed tomography and magnetic resonance imaging. Employment opportunities are available in hospitals, imaging centers, and private physician offices. Career advancement opportunities include positions in advanced imaging modalities, administration, education, and quality management.

The Radiologic Sciences Program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the Radiography certification exam administered by the American Registry of Radiologic Technologists (ARRT).

The program works in conjunction with area hospitals and imaging centers.

Degrees: Radiologic Sciences (BS)
Tracks: None
Minors: None

Department of Public Administration

Chair: Mary Ann Feldheim, HPA2 238, 407-823-2604


The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The Department prepares students for professional careers in public service at the local, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with
a major in Public Administration enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

There are numerous public and nonprofit employment opportunities with jobs available in nearly every area of specialization. For instance, public servants include engineers, accountants, fire fighters, police, physicians, nurses, botanists, chemists, nutritionists, project managers, community planners, city and county administrators, social workers, psychologists, psychiatrists, policy analysts, grant writers, contract managers, quality assurance managers and evaluators. The range of employment opportunities is extraordinary and includes a variety of management and staff positions in environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration and emergency management, among others. The salaries are generally competitive with private industry, despite common misconceptions to the contrary. Employment in the public and nonprofit sector provides graduates with the opportunity to “make a difference” in their communities on a national, state or local level.

**Degrees:** Public Administration (BA, BS, MPA, MNM)

**Tracks:** None

**Minors:** Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Non-Profit Management Minor with American Humanics National Certification Program

**Certificates:** Nonprofit Management

### School of Social Work

**Director:** John Ronnau, HPA 204, 407-823-2114

**Faculty:** Abel, Bricout, Buckey, L. Davis, Gammonley, Kohn, Lawrence, Leon, Molina, Ramos, Rothenberg, Steen, Withers.

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in Congress, hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives.

The curriculum, nationally accredited by the Council on Social Work Education aims to graduate social work generalists who can teach people how to create their own path and enhance their quality of life. Our graduates will assist people in changing patterns of behavior, poverty, abuse, and oppression and help them to develop effective coping skills for life’s challenges. The Social Work Program is a limited access program that requires a separate application to the School of Social Work.

The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and sees obstacles as challenges. We help anytime, anywhere. Help Starts Here!

The School of Social Work also offers Certificate Programs in Aging Studies, Children’s Services, and Addictions with special concentrations in these areas. If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

**Degrees:** Social Work (BSW, MSW)

**Tracks:** None

**Minors:** Aging Studies

**Certificates:** Addictions, Aging Studies, Children’s Services

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Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: http://oeas.ucf.edu/alc/alc_students_cohpa.htm
The University of Central Florida (UCF) College of Medicine was established in 2006 by the Florida Legislature and the Florida Board of Governors to increase opportunities for medical education in Florida, address the nationwide growing shortage of physicians, and provide economic benefits to Central Florida and the State. In Fall 2009, the College of Medicine will welcome its first Doctor of Medicine (M.D.) students. Details on the application process for the UCF M.D. program are available on the College of Medicine web site (http://www.med.ucf.edu/).

The UCF College of Medicine is building an academic program with an integrated approach to medical education, state-of-the-art technical capabilities, and focused biomedical research. The college will be located at the UCF Health Sciences Campus at Lake Nona, a state-of-the-art complex for medical education, health sciences education, and biomedical research. The 50-acre UCF Health Sciences Campus at Lake Nona is located about 25 miles south of the Orlando campus.

The UCF M.D. program prepares students for careers in every discipline of medicine and allows each student to focus on an individualized area of study or research. The M.D. program learning experience at the University of Central Florida is a unique and exciting blend of state-of-the-art technology, clinical and laboratory experiences, research, facilitator-directed small group sessions, and interactive didactic lectures.

In addition to the new M.D. program, the College of Medicine offers a broad range of educational programs in the Burnett School of Biomedical Sciences including undergraduate degrees in Molecular Biology and Microbiology, Biotechnology, and Medical Laboratory Sciences, master’s degrees in Molecular Biology and Microbiology, and Biotechnology, and an interdisciplinary doctor of philosophy degree in Biomedical Sciences.

**Burnett School of Biomedical Sciences**

**Director:** P.E. Kolattukudy; 136; 407-823-1312; Fax 407-823-0956

**Associate Director of Academic Affairs:** Roseann White; HPA2 335J; 407-823-5932; Fax 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Molecular Biology and Microbiology and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. The School also offers M.S. programs in Molecular Biology and Microbiology, and Biotechnology. Also, it offers a Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advising Office, 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has over 2,000 undergraduate students and as many as 100 graduate students. Faculty and students are conducting research in cancer, cardiovascular, neurodegenerative, and infectious diseases. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomedical Science Center, and the Pre-Health Professions Advisement Office.

**Programs and Degrees**

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**Department of Molecular Biology and Microbiology**

**Chair:** P.E. Kolattukudy; BL 136; 407-823-1312

**Associate Chair:** Roseann White; HPA2, 335J; 407-823-5932

**Undergraduate Coordinator:** Dorylin Hitchcock; HPA2 335A; 407-823-0952

**Graduate Coordinator:** Saleh Naser; BL 221; 407-823-0956

**Faculty:** R. Ahangari; R. Borgon; E. Bossy-Wetzel; K. Chai; D. Chakrabarti; R. Chakrabarti; S. Chan; J. Cheng; A. Cole; H. Daniell; S. Ebert; C. Fernandez-Valle; M. Fu; R. Gennaro; D. Hitchcock; K. Ireton; A. Khaled; P. Kolattukudy; G. Lopez; W. Lopez-Ojeda; X. Li; S. Moore; M. Muller; S. Naser; W. Safranek; M. Samsam; W. Self; D. Singla; K. Sugaya; S. Tatulian; K. Teter; J. Turkson; G. Weigel; R. White; A. Zervos.

The Department of Molecular Biology and Microbiology offers a Bachelor of Science degree, a Master of Science degree and a Minor in Molecular Biology and Microbiology. The department also offers a Bachelor of Science degree in Medical Laboratory Sciences and a Bachelor of Science degree in Biotechnology. The Molecular Biology and Microbiology programs prepare students for entry into any professional school in health sciences, such as medicine, veterinary,
pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. Students seeking admission to this professional programs should follow the Molecular Biology and Microbiology Preprofessional Concentration. The Department’s programs also prepare students entering the technical workforce in biotechnology, pharmaceutical and/or any other medical technology industry. The Department is a major partner in the interdisciplinary Ph.D. program in Biomedical Sciences.

Program in Molecular Biology and Microbiology

Program in Molecular Biology and Microbiology

The Core Curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of molecular, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the mechanism of directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

Degrees: Molecular Biology and Microbiology (B.S., M.S.)

Molecular Biology and Microbiology Preprofessional Concentration (B.S.)

Tracks: None

Minors: Molecular Biology and Microbiology

Molecular Biology and Microbiology UCF/USF Accelerated Medical School Program (B.S.)

Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include Florida residency, unlimited minimum high school GPA of 3.7 and SAT score of 1300 or ACT score of 29. More information about the admission process can be found in the catalog under: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Students desiring admission to University of South Florida College of Medicine (USF/COM) through the accelerated program will meet all USF/COM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of first year of the medical school curriculum.

Program in Biotechnology

Director: Henry Danieli, BL 336, 407-823-5932

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more “hands on” laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)

Tracks: None

Minors: None

Program in Medical Laboratory Sciences

Director: Dorrilyn Hitchcock; HPA2 335A; 407-823-5932

Medical technologists may be involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

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

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st but applications will be accepted until the class is filled.

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

Degrees: Medical Laboratory Sciences (B.S.)

Tracks: None

Minors: None

Office of Student Services and Advisement (OSSA)

Academic Advisor: Cynthia Contreras; HPA2 336; 407-823-5787;
Academic Advisor: Ana Maria Schwinnit; HPA2 337; 407-823-1259
E-mail: bcbinfo@mail.ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Molecular Biology and Microbiology, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, University policies and procedures, major requirements, course substitutions, and graduation certification.

Students interested in pursuing Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Biomolecular Science Center

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

The mission of this university-wide interdisciplinary academic center is to establish vibrant research and training programs under the general theme of “Molecular and Genomic Bases of Diseases and Therapeutics.” The Center research is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease.

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

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

The Biomedical Sciences Ph.D. is a major vehicle for training students for biomedical research careers in industry, institutes and universities. In addition, the center intends to help establish new degree programs in cooperation with other academic units to generate a skilled workforce that can serve the region and state’s growing biomedical biotechnology industry.

Degrees: Biomedical Sciences (Ph.D.)

Tracks: None

Minors: None

Pre-Health Professions Advisement Office

Director: Genaro Lopez; HPA 124; 407-823-2670

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

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oeas.ucf.edu/aic/aic_students_bcbs.htm

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The College of Nursing is the 12th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master’s and doctoral levels.

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

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

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online.

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 Nurse Practitioner (Family, Adult, or Pediatric), Clinical Nurse Specialist, Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 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.

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

The College of Nursing BSN and MSN programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.
The College of Optics and Photonics is a graduate school for research and education in optics, lasers, and photonics. CREOL (Center for Research and Education in Optics and Lasers), FPCE (Florida Photonics Center of Excellence), and the Townes Laser Institute (TLI) are research centers within the College, but CREOL predates the College by many years and we are best known internationally under this name. CREOL was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries.

CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 40 faculty members, 69 Ph.D. level research scientists, and 146 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus.

This facility houses ninety research laboratories equipped with over $45 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program.

The research activities span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $20,000 to $26,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics and Actuarial Science; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 49 baccalaureate, graduate, certificate, and pre-professional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog: http://graduate.ucf.edu/currentGradCatalog/

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a "C" GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

Preprofessional Programs

Prelaw Program
Prelaw Advisor: Roger Handberg; CNH 414; 407-823-2608
There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions
The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional program of study for additional information.
Department of Biology

Chair: C. Ross Hinkle; BL 301; 407-823-2141
E-mail: biology@ucf.edu
http://www.cos.ucf.edu/biology/

Faculty: Bayer, Borst, Calestani, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Loguidice, Morrison-Sheltar, Nadeau, Noss, Parkinson, Quigley, Quintana-Ascenio, Roth, Sheltar, Sotero-Esteve, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Waterman, Weishampel, Worth.

Professors Emeritus: Ehrhart, Ellis, Kuhn, Koenenig, Snelson, Sweet, Taylor

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservative Biology, and participates in an interdisciplinary Ph.D. program in Biomolecular Sciences. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background opens career opportunities for graduates in areas of their particular degree program. Graduates are well prepared to further their education in professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a sub specialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study contracts.

Degrees: Biology (BS, MS, PhD)
Tracks: Biology Pre-professional (BS)
Minors: Biology

Department of Chemistry

Chair: Kevin D. Belfield; CH 117; 407-823-2246
E-mail: chemstal@mail.ucf.edu
http://www.cos.ucf.edu/chemistry

Associate Chair and Undergraduate Coordinator: Cherie L. Geiger;
CH 325; 407-823-2135


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

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)
Tracks: Chemistry, Forensic Analysis, Forensic Biochemistry
Minors: Chemistry

Nicholson School of Communication

Director: Robert Chandler; COM 238; 407-823-2681;
E-mail: communication@ucf.edu
http://www.cos.ucf.edu/communication


Faculty Emeriti: Fedler, O’Keefe, Taylor, Wycoff
The Nicholson School of Communication provides students with a balance of practical skills and philosophical aspects of communication. The programs prepare students to understand mass media as social institutions and train them for professional careers. The School is composed of four Areas each of which offer a Bachelor of Arts degrees. The degrees are:

1. Advertising/Public Relations. Provides theory and practice in both advertising and public relations.
2. Interpersonal & Organizational Communication. Provides knowledge, theory, and skills needed to understand and predict human communicative behavior, necessary for employment in business, sales, and NPOs, or as background for advanced study in graduate school.
3. Journalism. Provides theory and skills needed to gain employment in newspapers, magazines, and similar forms of mass communication.

Facilities
The Radio-Television Area has fully-equipped audio and video production facilities, a complete multi-camera television studio, an online radio station, and laboratories for interactive multimedia. The Journalism Area has computer labs and a digital darkroom. The Advertising/Public Relations Area has a computer writing lab. The Interpersonal/ Organizational Communication Area has a presentation speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Area also has a small group laboratory equipped with audio/video record/playback.

Degrees: Advertising/Public Relations (BA), Communication (MA), Interpersonal & Organizational Communication (BA), Journalism (BA), Radio Television (BA)
Specializations: Broadcast Journalism, Production, Broadcast Generalist, News Writing, Visual Communications, Editing

Minors: Interpersonal/Organizational Communication, Magazine Journalism, Mass Communication

Department of Physics
Chair: Talat Rahman; MAP 310; 407-823-2325;
E-mail: physics@ucf.edu
http://www.physics.ucf.edu

Associate Chair: Lee Chow; MAP 315; 407-823-2333

Faculty: Bhattacharya, Bindell, Bose, Brit, Brueckner, Campins, Chernyak, Chow, Colwell, Del Barco, Dubey, Efthimiou, Fernandez, Fleischman, Harrington, Heinreich, Johnson, Kara, Khondaker, Kokouline, Leuenberger, Luo, Martin, Montgomery, Mucciolo, Neighbor, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tonner, Velissaris

Faculty Emeritus: Brennan, Llewellyn

Visiting Faculty: Cooney, Ngwa, Zhumudsky

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

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

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

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

Minors: Astronomy, Physics

Department of Political Science
Chair: R. Handberg; PH 302; 407-823-2608;
E-mail: politics@ucf.edu
http://www.cos.ucf.edu/politicalscience


The Department of Political Science seeks to:
1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where a knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics;
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy, International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language. The Department of Political Science participates in the following programs:
College of Sciences

Department of Sociology
Chair: J. Corzine; PH 403B; 407-823-3744
http://sociology.ucf.edu/
Associate Chair: E. Grauerholz

Faculty: Barrett, Canan, Carter, Corzine, Dees, Dietz, Ford, Gay, Goldstein, Grauerholz, Huff-Corzine, Jasinski, Lynxwiler, Marshall, Morris, Mustaine, Rivera, Sikorska-Simmons, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today’s employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family.

The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to http://sociology.ucf.edu.

Degrees: Sociology (BA, MA), Social Sciences Interdisciplinary (BS)
Tracks: Domestic Violence (MA)
Minors: Sociology, Social Sciences Interdisciplinary

Department of Statistics and Actuarial Science
Chair: D. Nickerson; CCII 206; 407-823-5528
http://www.cos.ucf.edu/statistics

Faculty: Carta, Cutchins, Gau, Han, Johnson, Keilson, Modisett, Maboudou-Tchao, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang

The Department of Statistics and Actuarial Science offers courses and programs leading to a Bachelor of Science in Statistics, a Bachelor of Science in Actuarial Science, a minor in Statistics, and a Master of Science in Statistical Computing with tracks in Data Mining and Actuarial Science. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate programs in statistics and actuarial science are designed to serve 1) students who desire to pursue careers in statistics or actuarial science after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics or actuarial science as tools in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics and Actuarial Science have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, statistical computing, and actuarial science. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS tracks), Actuarial Science (BS)
Tracks: None
Minors: Statistics

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.oecs.ucf.edu/alc/alc_students_cosci.htm
Rosen College of Hospitality Management

Dean: Abraham Pizam; 9907 Universal Boulevard, Suite 231-H
Orlando, FL 32819; 407-903-8010
http://www.hospitality.ucf.edu

Interim Associate Dean: Tadayuki Hara;
9907 Universal Boulevard, Suite 231-A; 407-903-8174

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

Faculty:
Ashley, Breiter, Bunn, Chen, Choi, Croes, Dickson, Fisher, Fjelstul, Hara, Hua, Iskar, Jackson, Juge, Jung, Kaufman, Kwun, Logan, Lynch, McDowall, Mullman, Muller, Murphy, Naipaul, Nusair, Okumus, Parsa, Ray, Ro, Rompf, Ross, Scantlebury, Severt D, Severt K, Smith, Terry, Tesone, Wang

The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities. It is the destination for over 49 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

The curriculum is designed to prepare students for a broad range of managerial roles across the hospitality industry. It provides both academic preparation and practical experiences that students will need to enter and succeed in a hospitality management career. Students also have the opportunity to experience the work world in hospitality through an internship requirement and through extensive contact with leading hospitality managers in the Central Florida area. There are three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 19 different countries.
- A faculty committed to continuously improving their knowledge of the hospitality industry as well as their ability to teach that knowledge to their students.
- A required work experience that provides students with practical experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant completely equipped to provide students with experience in food preparation.
- American Resort Development Association (ARDA) Professorship of Vacation Ownership.
- Central Florida Hotel and Lodging Association (CFHLA) Professorship of Convention and Conference Management.

Degrees:
- Event Management (BS), Hospitality Management (BS)
- Restaurant and Food Service Management (BS)

Tracks:
- Vacation Ownership Resort Management; Theme Park and Attraction Management; Tourism Management;
- Lodging Management; Hospitality Financial Management and Technology; Golf and Club Management

Minor:
- Hospitality Management

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/alc/alc_students_rhm.htm
Office of Undergraduate Studies
Dean: Alison Morrison-Shetlar; MH 218; 407-823-2373
Associate Dean: Elliot Vittes; MH 210; 407-823-2691
http://www.undergrad.ucf.edu/

The Office of Undergraduate Studies supports all colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. The units within Undergraduate Studies are the offices of Academic Services, Experiential Learning, Faculty Center for Teaching and Learning, Interdisciplinary Studies, McNair Scholars Program, Research and Mentoring Program (RAMP) and Undergraduate Research. The Dean serves as the final appeal for all undergraduate academic appeals.

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

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

Bachelor of Applied Science
Dean: Alison Morrison-Shetlar; MH 218; 407-823-2373
http://www.regionalcampuses.ucf.edu/bas/

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Experiential Learning
Director: Sheri Dressler, FC - 203; 407-823-2667
http://www.coop.ucf.edu/

This office provides co-op, internship and service-learning courses for students in all colleges through collaboration with college faculty and employers locally, nationally and internationally. Department faculty teach co-op and internship courses, facilitate the development and approval of quality experiential learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile student learning outcome data from applied learning courses campus-wide. Our primary goal is to ensure that students have access to, and include experiential learning courses in, their academic programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.

Faculty Center for Teaching and Learning
Interim Director: Tace Crouse, CLT-207; 407-823-3544
http://www.fctl.ucf.edu/

The Faculty Center provides support for all the roles of faculty - excellence in teaching and learning, successful research and creative activities, professional advancement, and collaborative endeavors - through multiple formats including workshops, events, consultations, class observations, online resources, publications, and strategic initiatives. This office coordinates the Academic Orientation for new faculty and assists with mentoring for faculty success.

McNair Scholars Program
Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1818
http://mcnair.ucf.edu/

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies
Director: Michael Hampton; Classroom Bldg I, Suite 302; 407-823-0144; E-mail: is@mail.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Broerman, Logan, Wallace

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

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

Research and Mentoring Program
Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1818
http://ramp.ucf.edu/

The Research and Mentoring Program (RAMP) prepares students for entry into graduate school. Through involvement in research projects and working with faculty mentors, the program provides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

Undergraduate Research
Director: Kimberly Schneider, CC II 209; 407-823-3125
http://www.our.ucf.edu/

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. Examples of programs the office administers are: the undergraduate research showcase, the undergraduate research journal, a workshop series, and a student council.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.oelas.ucf.edu/alc/alc_students_us.htm
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<th>UCF DEGREE PROGRAMS</th>
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<td>Aerospace Engineering</td>
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<td>Aerospace Engineering - Accelerated Undergraduate-Graduate Program</td>
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<td>Anthropology</td>
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<td>Communication Sciences and Disorders Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program</td>
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<td>Computer Engineering Computer Engineering - Accelerated Undergraduate-Graduate Program</td>
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<td>Electrical Engineering Technology - Electrical Systems Concentration</td>
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<td>Engineering Technology - Operations Concentration</td>
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<td>English - Literature</td>
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<td>Exceptional Student Education</td>
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<td>Film - B.F.A. Film - Cinema Studies Track Film - World Cinema Track</td>
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<td>Foreign Language Education - Spanish</td>
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<td>Forensic Science - Analysis Track</td>
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<td>Forensic Science - Biochemistry Track</td>
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<td>French</td>
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<td>Health Sciences - Athletic Training Track</td>
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<td>History</td>
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<td>History - Accelerated Undergraduate-Graduate Program</td>
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<td>Hospitality Management Hospitality Management - A.S. to B.S. Track</td>
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<td>Humanities</td>
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<td>Humanities - Philosophy, Religion, &amp; Popular Culture Track</td>
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<td>Industrial Engineering</td>
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<td>Interdisciplinary Studies Interdisciplinary Studies - Environmental Studies Track</td>
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<td>Management Information Systems</td>
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<td>Mathematics - Applied Track</td>
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<td>Mathematics - Computational Track</td>
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<td>Mathematics - Mathematical Economics Track</td>
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<td>Mechanical Engineering - Accelerated Undergraduate-Graduate Program</td>
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<td>Medical Laboratory Sciences</td>
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<td>Modern Language Combination</td>
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<td>Molecular Biology and Microbiology</td>
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<td>Molecular Biology and Microbiology - Preprofessional Concentration</td>
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<td>Molecular Biology and Microbiology - UCF/USF Accelerated Medical School Program</td>
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<td>Music Music Education</td>
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<td>Music - Jazz Studies Track</td>
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<td>Music - Music Composition Track</td>
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<td>Music - Music Performance Track</td>
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<td>Nursing Nursing Nursing - Accelerated Second Degree B.S.N. Option Nursing - A.S. to B.S.N. Track Nursing - R.N. to B.S.N. Program Nursing - R.N. to M.S.N. Option Nursing - SCC/UCF A.S.N. to B.S.N. enrollment option</td>
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<td>Political Science</td>
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<td>Radio - Television</td>
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<td>Radiologic Sciences</td>
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<td>Radiologic Sciences - A.S. to B.S. Track</td>
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<td>Real Estate</td>
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<td>Restaurant and Foodservice Management</td>
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<td>Science Education - Biology</td>
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<td>Science Education - Chemistry</td>
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<td>Technical Education and Industry Training</td>
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<tr>
<td>Theatre - Musical Theatre Track</td>
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<td>Theatre Studies</td>
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</table>
ACCOUNTING (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu
Not eligible for a double degree with another College of Business Administration major

Admission Requirements
- Completion of the General Education program, and Gordon Rule, or an AA Degree from a Florida Public Community College, or a Florida Public University
- See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (min 36 hrs)
   A. Communication Foundations
      Preferred: SPC 1508
      9 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      Select MAC 1140 Pre-Calculus
      Select CGS 2100C Computer Fundamentals for Business
      3 hrs
   D. Social Foundations
      Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics
      Select one: PSY 1022, SYG 2000, ANT 2000
      3 hrs
   E. Science Foundation
      6 hrs

2. Common Program Prerequisites
   Must be completed with a “C” (2.0) or better
   ACG 2021 Principles of Financial Accounting
   ACG 2071 Principles of Managerial Accounting
   ECO 2013 Macroeconomics
   ECO 2023 Microeconomics
   *ECO 3401 Quantitative Business Tools I
   CGS 2100C Computer Fundamentals for Business
   *At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

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

3. Core Classes
   First or subsequent semester in the College of Business Administration:
   (36 hrs)
   GEB 3031 Cornerstone (Required in 1st or 2nd semester)
   GEB 3375 Introduction to International Business
   ECO 3411 Quantitative Business Tools II
   FIN 3403C Business Finance
   MAN 3026 Management of Organizations
   ISM 3011C Essentials of Management Information Systems
   MAR 3023 Marketing
   BUL 3130 Legal and Ethical Environment of Business
   Last Semester:
   MAN 4720 Strategic Management
   4 hrs

4. Special College and/or Departmental Requirements
   - Must complete all Gordon Rule requirements, prior to admission to this degree.
   - Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Students must have a “C” (2.0) or better in each common program prerequisites class.
   - A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
   - Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - All students must have credit for a course in each of the following areas:
     - English communication arts including written composition
     - Oral expression
     - Behavioral science such as psychology, anthropology, and sociology
     - Humanities
     - Political environment of business and society such as political science, public administration, and ethics
   - Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
   - A grade of “C-” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

5. Required courses for major (24 hrs)
   ACG 3131 Financial Accounting Concepts and Analysis
   ACG 3141 Intermediate Financial Accounting
   ACG 3361 Intermediate Managerial Accounting
   ACG 3501 Accounting and Auditing in the Public Sector
   ACG 4401C Accounting Information Systems
   ACG 4651 Auditing
   ACG 4803 Contemporary Issues in Accounting
   TAX 4001 Taxation of Business Entities and Transactions

6. Honors in the Major (6 hrs)
   Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of course credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.
   Admission: Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
   Requirements: Students accepted into the Honors in the Major Program must complete either:
   *ACG 4903H Directed Readings in Accounting or *ACG 4904H Honors Seminar in Accounting
   Plus
   *AGH 4970H Honors Thesis in Accounting
   *With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Students pursuing a Bachelor of Arts Degree may substitute American Sign Language for the foreign language exit requirement, except where one or more foreign languages have been specified by a college, school, or program for a specific degree.
   Graduation: none

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
   - Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
### UCF Degree Programs

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

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

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

#### Community/Junior College Transfer Notes
- Common Program Prerequisites for the State University System for College of Business Administration programs include:
  - Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
  - Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
  - ACG X001 and X011 will substitute for ACG 2021 at UCF.
  - Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
  - Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
  - Courses taken at community colleges do not substitute for upper division courses.
  - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
  - Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

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

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

#### SUGGESTED FOUR YEAR PLAN OF STUDY - ACCOUNTING

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<tr>
<td>Cult-Hist I*</td>
<td>3</td>
<td>Cult-Hist II*</td>
<td>3</td>
<td></td>
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<tr>
<td>MAC 1105*</td>
<td>3</td>
<td>Art/Music/Lit</td>
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<tr>
<td>Psy/Sys/Ant</td>
<td>3</td>
<td>CSS 2100C*</td>
<td>3</td>
<td></td>
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<tr>
<td>Science</td>
<td>3</td>
<td>Science</td>
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</tbody>
</table>

| Sophomore | 16 hrs    | 18 hrs    |           |           |
| ECO 2023* | 3         | ECO 2013* | 3         |           |
| ACG 2021* | 3         | ACG 2011* | 3         |           |
| SPC 1008 | 3         | POS 2041 | 3         |           |
| **Electic** | 3         | MAR 3023 | 3         |           |
| **Electic** | 3         | ECO 3401* | 3         |           |

#### CPA Examination Requirements (Continued)
- **ACG 3131** 3 **ACG 3141** 3
- **Senior**
  - 1st Term 13 hrs 2nd Term 17 hrs
  - **TAX 4001** 3 **MGT 4071** 4
  - **ACG 4601** 3 **GEP 3575** 4
  - **FIN 3403C** 3 **ACG 4651** 3
  - **ACG 3501** 3 **ACG 4803** 3
  - **Elective** 3
  - “C” (2.0) or better grade required in each class
  - **Accounting majors must have a “C” (2.0) or better in each class to include law and tax and a 2.0 GPA in major.***
  - **General electives as required to reach 120 semester hours.***

#### ACTUARIAL SCIENCE (B.S.)
**College of Sciences**

**Department of Statistics and Actuarial Science**

**CC II 212, 407-823-5562**


**E-mail: statistics@mail.ucf.edu**

**Contact:** Stephen Kellison, 407-823-5530

**Admission Requirements**

None

**Degree Requirements**

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

1. **UCF General Education Program** (36+3 hrs)

   **Note:** Certain courses must be selected in the GEP for the major which brings the GEP above 36

   - A. Communication Foundations
     - 9 hrs
   - B. Cultural and Historical Foundations
     - 9 hrs
   - C. Mathematical Foundations
     - 7 hrs
   - Select MAC 2311
   - Select STA 2023
   - Social Foundations
     - 6 hrs
   - Select ECO 2013
   - Select an ANT, PSY or SYG listed course
   - Science Foundations
     - 8 hrs
   - Select PHY 2053C or CHM 2045C
   - *CHM 2040C plus CHM 2041C can substitute for CHM 2045C.

2. **Common Program Prerequisites** (14 hrs)

   - COP 3002C* Computer Science I
     - 3 hrs
   - ECO 2013 Princ of Macroeconomics
     - 3 hrs
   - ECO 2023 Princ of Microeconomics
     - 3 hrs
   - MAC 2311 Calculus with Analy Geo I
     - GEP
   - MAC 2312 Calculus with Analy Geo II
     - 4 hrs
   - MAC 2313 Calculus with Analy Geo III
     - 4 hrs
   - *See Transfer Notes for possible substitutes

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

3. **Core requirements** (53 hrs)

   - ACG 2021 Princ Financial Accounting
     - 3 hrs
   - ACG 2071 Princ Managerial Accounting
     - 3 hrs
   - FIN 3403C Business Finance
     - 3 hrs
   - STA 2023 Statistical Methods I
     - GEP
UCF Degree Programs

STA 4321 Statistical Theory I 3 hrs
STA 4322 Statistical Theory II 3 hrs
STA 4672 Actuarial Statistical Methods 3 hrs
STA 4942 Practicum in Act Science 3 hrs
STA 4183 Theory of Interest 3 hrs
STA 4130 Life Contingencies I 3 hrs
STA 4131 Life Contingencies II 3 hrs
COT 4500 Numerical Calculus 3 hrs
ENC 3241 Writing for Technical Professionals 3 hrs
BSC 2010C Biology I 4 GE

CHM 2045C or PHY 2053C

a. Select one course: Linear and Matrix Algebra 4 hrs

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

BSC 2011C Biology II (PR: BSC 2010C)

PHY 2054C College Physics II (PR: PHY 2053C)

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C.

c. Select three from among the following: 9 hrs

MAD 3105 Linear Algebra
MAD 3106 Linear Algebra

4. Restricted Upper Division Electives  (6 hrs)

Select from upper division or graduate statistics, actuarial science, or mathematics courses

Selected courses in business Business courses may be used only with prior approval by the Department of Statistics and Actuarial Science

The following cannot be used: MAC 2233, MAC 2253, MAC 2254, all MAE courses; and MGF 4404

5. Departmental Exit Requirements

Earn a grade of “C” (2.0) or better in each STA course.

Computer competency met by COP 3502C.

Take SOA Exam P (Probability) and report the score to the department.

Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements  (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. Electives  (variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 36 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required  120 hrs

Related Programs: Mathematics, Mathematics Education, Statistics

Related Minors: Statistics, Mathematics

Transfer Notes:

Lower division courses taken at community colleges do not substitute for Upper Division courses.

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- COP 3502C*: any COP programming language course.
- However, COP 3502C is a prerequisite for Computer Sciences courses and may need to be taken.

Program Academic Learning Compacts

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

Suggested Plan of Study:

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

Summer

Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year

Fall  Spring

STA 4102* req# 4-ResElect 3 Elective* Check restrictions 4

STA 4641* req# 3c-Core 3 STA 4942 Pract in Act Sci 3

STA 4130 Life Cont I 3 STA 4131 Life Cont II 3

COM 2254, all MAE courses; and MHF 4404

Senior Year

Fall  Spring

STA 2023 Stat Methods I 3 STA 4939* req# 3c-Core 3

STA 4163* req# 3c-Core 3

Senior Year

Fall  Spring

STA 4617 Theory of Graduation 3 STA 4223 Prac in Act Sci 3

STA 4321 Stat Theory I 3 STA 4164 Statistical Methods III 3

STA 4322 Stat Theory II 3 STA 4176 Demographic Statistics 3

Senior Year

Fall  Spring

STA 4393 Problems in Actuarial Science 3 STA 4399 Theory of Interest 3

STA 5139 Credibility Theory and Loss Distributions 3

STA 5646 Casualty Insurance 3

ADVERTISING/PUBLIC RELATIONS (B.A.)

College of Sciences
Nicholson School of Communication
COMM 250, 407-823-2852
http://communication.cos.ucf.edu/undergraduate/degrees/advertising.php

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

Admission Requirements

Limited Access

- Students should apply to become Advertising/Public Relations majors only after completing all requirements for admission.

- Deadlines are:
  October 1 to be admitted the next Fall term
  February 1 to be admitted the next Summer term
  July 1 to be admitted the next Fall term

- Admission is based on multiple factors, with GPA being a major component.

- Satisfactorily complete a minimum of 45 credit hours of college work.

- The GPA will be calculated based on all college work attempted.

- The GPA cut-off for admission varies each semester, depending on the applicants, but for previous acceptance periods, the minimum GPA did not drop below 3.4.

- Have acceptable keyboard skills.

- Receive a positive evaluation by the School.

Degree Requirements

- Students who change degree programs (other than from Ad/Pr Pending) and select this major must adopt the most current catalog.

- Co-op credit can be used in the major with advisor’s approval.

- Students should consult with a departmental advisor.
UCF Degree Programs

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      Select ENC 1101 & ENC 1102 6 hrs
      Select SPC 1608 3 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
      Select STA 2014C 3 hrs
   D. Social Foundations
      Select ECO 2013 or ECO 2023 3 hrs
      Select ANT 2000, PSY 2012, or SYG 2000 3 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites (0 hrs)
   SPC 1608 Fund Oral Communication GEP
   Select one course
   ECO 2013 Principles of Macroeconomics or
   ECO 2023 Principles of Microeconomics
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core requirements (27 hrs)
   a. Complete before applying to the program
      SPC 1608 Fund Oral Communication CPP
      ECO 2013 Principles of Macroeconomics or CPP
      ECO 2023 Principles of Microeconomics
      ADV 3008 Principles of Advertising 3 hrs
      PUR 4000 Public Relations 3 hrs
      STA 2014C Principles of Statistics GEP
   b. Taken once admitted into the program
      ADV 4101 Advertising Copywriting 3 hrs
      COM 3110 Business and Prof Communication 3 hrs
      COM 3311 Communication Research Methods 3 hrs
      MGMT 4411 Ad/PR Campaigns 3 hrs
      MGMT 3200 Mass Communication Law 3 hrs
      PUR 3100 Writing for Public Relations 3 hrs
      Select one
      PUR 4941 Internship
      ADV 4941 Internship

4. School Exit Requirements
   - To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
   - Achieve an overall "C" GPA (2.0) in required UCF Ad/PR courses. This GPA does not include electives.
   - Computer Competency met by CGS 1060C, STA 2014C or departmental assessment.
   - Before applying to graduate, the CLAST must be completely satisfied.

5. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

6. External Restricted Electives (variable)
   Select primarily from upper level courses, with school advisor's approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

7. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Marketing
Related Minors: Business, Psychology

Transfer Notes:
   - Lower division courses taken at community colleges do not substitute for Upper Division courses
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

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

Equipment Fee
   - Full-time Student ........................................... $44 per term
   - Part-time Student ........................................... $22 per term

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

Freshman Year
   - Fall
      ENC 1101 Composition I
      ECO 2013 Principles of Macroeconomics or
      MGF 1106 or MGF 1107
      Elective* Check restrictions
      Lang/Elect
   - Spring
      3
      3
      3
      3
      4
      4

Sophomore Year
   - Fall
      ECO 2023 Principles of Microeconomics
      MGMT 4411 Ad/PR Campaigns
      MGMT 3200 Mass Communication Law
      PUR 4000 Public Relations
      Select one
      PUR 4941 Internship
      ADV 4941 Internship
   - Spring
      3
      3
      3
      3
      Application See catalog

Junior Year
   - Fall
      Restricted Elect
      Restricted Elect
      Restricted Elect
      Restricted Elect
      Restricted Elect
   - Spring
      3
      3
      3
      3
      3

Senior Year
   - Fall
      ECO 2013 or ECO 2023
      SPC 1608 Fund Oral
      PUR 4000 Public Relations
      Select one
      Select the minor
   - Spring
      3
      3
      3
      3
      3

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AEROSPACE ENGINEERING (B.S.A.E.)

College of Engineering and Computer Science
Mechanical, Materials & Aerospace Engineering Department
ENGR 307, 407-823-2416; Fax 407-823-0208
http://www.mmae.ucf.edu

Admission Requirements: none

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

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

A. Communication Foundations
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1603
B. Cultural and Historical Foundations
   1. Select two courses from Historical Foundations
   2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2120
C. Mathematical Foundations
   1. Select MAC 2311 (PR: MAC 1140 and MAC 1141)
   2. Select STA 3032 (PR: MAC 2312)
D. Social Foundations
   1. Take Prefer ECO 2013 or ECO 2023
   2. Take ANT 2000, PSY 2012, or SYG 2000
E. Science Foundations
   1. Take Select PHY 2048/48L (PR: MAC 2311)
   2. ANT 2511, BSC 1005, BSC 1006, GLO 1005, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP’s) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2. marked with an asterisk (*).

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements as do ENC 1101, ENC 1102, the Humanities courses, and the Science courses.

CHS 1440* Fundamentals of Chemistry for Eng (CHM 2045C/45L will substitute) 4 hrs
MAC 2311* 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* Differential Equations 3 hrs
PHY 2048/48L* Physics for Engineers & Scientists I GEP 4 hrs
PHY 2049/49L* Physics for Engineers & Scientists II 4 hrs
ENC 1101 Composition I GEP 3 hrs
ENC 1102 Composition II GEP 3 hrs

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

3. Career and Academic advisement

The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EAS 3990 Aerospace Career/Academic Advisement I 0 hr
EAS 4991 Aerospace Career/Academic Advisement II 0 hr

4. Courses Required for the Major (56 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the technical elective courses listed in 4. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
EGN 3310 Engineering Analysis - Statics 3 hrs
EGN 3321 Engineering Analysis - Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EMA 3706 Structure & Properties of Aerospace Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability & Statistics for Engineers GEP 3 hrs
EAS 3010 Fundamentals of Aerospace Flight 3 hrs
EAS 3101 Fundamentals of Aerodynamics 3 hrs
EAS 3100C Aerospace Engineering Measurements 3 hrs
EAS 3810C Design of Aerospace Experiments 3 hrs
EAS 4105 Flight Mechanics 3 hrs
EAS 4134 High-Speed Aerodynamics 3 hrs
EAS 4200 Flight Structures 3 hrs
EAS 3530 Space Systems Concepts 3 hrs
or EAS 4505 Orbital Mechanics
EAS 4300 Aerothermodynamics-Propulsion Sys 3 hrs
EML 3034C Modeling Methods in MAAE 3 hrs
EML 4312C Feedback Control 3 hrs
EGN 3601 Solid Mechanics 3 hrs
EAS 4210 Space Structural Design 3 hrs

5. Approved Technical Electives (9 hrs)

Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

6. Departmental Graduation Requirements (6 hrs)

These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

- EAS 4700C Aerospace Design I 3 hrs
- or EGN 4412C Interdisciplinary Design I 3 hrs
- EAS 4710G Aerospace Design II 3 hrs
- or EGN 4413C Interdisciplinary Design II 3 hrs

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Mechanical Engineering.


Transfer Notes:

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses may be substituted by an approved Aerospace Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm
Degrees Offered: B.A.

Admission Requirements: none

Degree Requirements

1. UCF General Education Program (36 hrs)
   a. Communication Foundations
   b. Cultural and Historical Foundations
   c. Mathematical Foundations
   d. Social Foundations

2. Common Program Prerequisites (0 hrs)
   - MATH 2472 (Calculus I) 4 hrs
   - MATH 2473 (Calculus II) 4 hrs
   - MATH 2474 (Calculus III) 4 hrs
   - PHYS 2048 (Phys Eng/Sci I w/lab) 4 hrs
   - EGN 1006C (Intro to Eng Prof) 1 hr
   - STA 3032 (Intro to Stat) 2 hrs

3. Core Requirements: Lower Level (6 hrs)
   - ANT 2000* General Anthropology GEP
   - ANT 2511 The Human Species GEP

4. Core Requirements: Upper Level (12 hrs)
   All students are required to take the following upper level courses in the four subfields of Anthropology:
   - ANT 3145 Archaeology of Complex Societies 3 hrs
   - ANT 3640 Language and Culture 3 hrs
   - ANT 4034 History of Anthropological Thought 3 hrs
   - ANT 4586 Human Origins 3 hrs

5. Area Study (3 hrs)
All students are required to take one of the following courses:
   - ANT 3158 Florida Archaeology
   - ANT 3160 Pre-Contact Americas
   - ANT 3161 Archaeology of Mexico
   - ANT 3163 Mesoamerican Archaeology
   - ANT 3164 Ancient Incas
   - ANT 3165 Archaeology of South America
   - ANT 3168 Maya Archaeology (or ANG 6168)
   - ANT 3311 Indians of the SE US
   - ANT 3312 Ethnology of North American Indians
ANT 3313 Indians of N American High Plains
ANT 3314 Indians of the Northeast Woodlands
ANT 3318 Indians of the Northwest Coast
ANT 3319 The Anthropology of Diaspora
ANT 3320 Indians of the Southwest
ANT 4322 Peoples and Culture of Latin America (or ANG 5307)
ANT 4340 Caribbean Cultures (or ANG 5341)
ANT 3344 Puerto Rican Culture
ANT 3358 Life and Death in Ancient Egypt
ANT 3362 Peoples of Southeast Asia
ANT 3363 Anthropology of Japan
ANT 4144 Prehistory of North America
ANT 4153 North American Archaeology
ANT 4308 Gender Issues in Latin America
ANT 4352 African Societies and Cultures
ANT 4354 Postcolonial Africa

6. Restricted Electives (18 hrs)

Six other Anthropology courses must be taken to complete the major. These may include other area study courses (see 5. above) or any other Anthropology courses that may be offered (see below).

ANT 3106 Archaeology and Popular Culture
ANT 3115 Archaeological Method and Theory
ANT 3142 Old World Prehistory
ANT 3173 Archaeology of Sex
ANT 3177 Archaeology of Caribbean Piracy
ANT 3212 Peoples of the World
ANT 3241 Magic, Ritual, and Belief
ANT 3245 Native American Religions
ANT 3262 Rural Society
ANT 3273 Law and Culture
ANT 3302 Sex, Gender, and Culture
ANT 3316 Black/Semiole Relationships
ANT 3330 Cultural Ecology of Amazonia
ANT 3333 American Indian Literature and Culture in Florida
ANT 3450 Living in the USA, Anthropological Perspectives
ANT 3541 Biobehavioral Anthropology
ANT 3550 Primatology
ANT 3701 Applied Anthropology
ANT 3949 Cooperative Education in Anthropology
ANT 4013 Anthropological Perspectives on Fast Food
ANT 4101 Archaeological Sciences (or ANG 5100)
ANT 4180C Seminar in Laboratory Analysis
ANT 4194 Mortuary Archaeology (or ANG 5741)
ANT 4266 Economic Anthropology
ANT 4308 Gender Issues in Latin America
ANT 4438 Anthropology of Tourism (or ANG 5437)
ANT 4462 Medical Anthropology
ANT 4467 Nutritional Anthropology (or ANG 5467)
ANT 4408 Culture, Disease, and Healing
ANT 4516 Human Biological Diversity
ANT 4521C Forensic Anthropology
ANT 4525C Human Osteology
ANT 4528C Advanced Forensic Anthropology
ANT 4560 Anthropological Perspectives on Human Growth
ANT 4702 Culture, Power, and Development (or ANG 5272)
ANT 4802 Ethnographic Field Methods
ANT 4824 Advanced Archaeological Field Work
ANG 5165 Maya Field Research
ANG 5166 Problems of Maya Studies
ANG 5167 Maya Hieroglyphs
ANG 5228 Maya Iconography
ANG 5622 Language, Culture, and Pedagogy
ANG 5742 Problems in Forensic Anthropology

7. Departmental Exit Requirements

- A grade of “C” (2.0) or better in all courses used for the major
- Computer Competency met by ANT 2100
- Students will be required to take a standard exit exam.
- Before applying to graduate, the CLAST must be completely satisfied.

8. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement.

Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or three semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

9. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. These courses may be outside of the department.

10. University Minimum Exit Requirements

- A “C” (2.0) GPA in all work attempted (both UCF and overall)
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Graduate Certificate in Maya Studies

Related Minors: African-American Studies, American Studies, Anthropology, Anthropology in Multicultural Studies, Asian Studies, Judaic Studies, Latin American, Caribbean, and Latino Studies, Russian Area Studies, Sociology, and Women’s Studies

Transfer Notes:

- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- ANT 2000: any ANT course. However, this course is a prerequisite and must be taken regardless.
- ANT 2511: any ANT course. However, ANT 2511 will need to be taken for the major.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

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

Suggested Plan of Study:

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

Freshman Year

Fall
ANT 2000 General Anthro 3
ENC 1101 Composition I 3
MGF 110X* req# 1C1-GEP 3

Spring
ANT 2511 The Human Species 3
ANT 3640 Language and Cult 3

Sophomore Year

Fall
REL 2300* req# 1B3-GEP 3

Spring
REL 2300* req# 1B3-GEP 3

Junior Year

Fall
ANT 2100 Arch the of 3

Spring
ANT 2100 Arch the of 3

Senior Year

Fall
ANT 3145 Arch of Cmplx Soc 3

Spring
ANT 3145 Arch of Cmplx Soc 3

APPLIED SCIENCE (B.A.S.)

A.S. to B.A.S.

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.
ART (B.F.A.)
College of Arts and Humanities
Art Department, VAB 117, 407-823-2676
http://www.art.ucf.edu/
Contact: J. Chavda; 407-823-2676

The BFA degree is recommended for studio art majors who plan to attend graduate school.

Note: Although the department maintains a small computer lab for student use, Graphic Design majors must have continual access to a lap top computer. Contact the department for the minimum hardware and software specifications.

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All junior level students in this program (except Animation and Graphic Design students) must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Graphic Design students must satisfactorily complete the mandatory Graphic Design Portfolio Review for admission to this restricted access program, to be admitted in the following Fall. The portfolio application deadline is the first week of March for Fall admission.
- Animation students must successfully complete an Animation Portfolio Review to be admitted to this restriction access program. The Animation Portfolio Review submission deadline is March 15 for admission in the following Fall semester, and October 15 for admission in the following Spring semester.
- Animation applications must include a portfolio of work done in courses, such as drawings, design projects, computer graphics, animation work, and storyboards.
- Students should complete ART 2201C and ART 2300C before applying to be accepted in the Animation BFA program.
- Students must maintain an overall minimum 3.0 GPA in ART 2201C and ART 2300C, to qualify for the Animation specialization.
- Animation students must submit a satisfactory drawing portfolio to be admitted to FIL 3720C.
- Students unable to satisfactorily complete either above requirement, ART 3950 - Portfolio Review, Animation Portfolio Review, or the Graphic Design Portfolio Review, may continue in the Art Department in the Art History track.
- Students may enter the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- "D" grades from other institutions do not meet departmental requirements.
- Note: Individual portfolio reviews are not possible due to the large number of applicants to the Animation or Graphic Design programs.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these must be in an area of specialization.
- Grades below "C" (2.0) in lower level ART or ARH courses do not satisfy major requirements.
- BFA students must maintain a 3.0 GPA in all ART courses.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor in their studio specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

UCF Degree Programs

1. UCF General Education Program
   - A. Communication Foundations
   - B. Cultural and Historical Foundations
     - Select a course from group B.1
     - Select ARH 2050
     - Select ARH 2051
   - C. Mathematical Foundations
     - Prefer MGF 1106 or 1107 (may substitute a higher level math)
   - D. Social Foundations
   - E. Science Foundations

2. Common Program Prerequisites
   - ART 2201C Design Fundamentals 2-D
   - ART 2203C Design Fundamentals 3-D
   - ART 2300C Drawing Fundamentals I
   - ART 2301C Drawing Fundamentals II
   - ARH 2050 History of Western Art I
   - ARH 2051 History of Western Art II
   - GRA 2101C Intro to Computer Art

3. Core Requirements
   - ART 2820 Art as Interface
   - ART 2500 Survey of Non-Western Art
   - ART 3950 Portfolio Review

4. Restricted Electives
   a. Specialization: 18 hrs
      Select six upper division courses from one area: (classes with an asterisk may be repeated for credit)
      - Animation (ART 3643C, FIL 3720C, FIL 3734C, FIL 3041, FIL 4735C, FIL 4750C*)
      - Ceramics (ART 3760C, ART 3764C, ART 4783C*)
      - Drawing (ART 3332C, ART 4320C*)
      - Drawing/Printmaking Combination (ART 3332C, ART 4320C*, ART 3433C, ART 4402C*)
      - Drawing/Illustration Combination (ART 3332C, GRA 3151C, ART 4320C*, GRA 4402C*)
      - Graphic Design (GRA 3100C, GRA 3112C, GRA 3801C, GRA 4196C, GRA 4197C*, GRA 4802C)
      - Painting (ART 3504C, ART 4505C*)
      - Photography (PGY 3410C, PGY 4420C*, PGY 4440C)
      - Sculpture (ART 4710C*)
      - "may be repeated for credit"
   b. Electives in Art: 15 hrs
      Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization.
      - Animation, Ceramics, Drawing, Graphic Design, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.
   c. Additional Electives 9 hrs
      Select three upper-division Art History courses or
      Select one upper division course in Art History, Humanities, and Social Science.
      For Animation specialization:
      - Any two upper level Art History or Film History courses 6 hrs
      - & ART 4971 Thesis 3 hrs
      - (A maximum of six hours of Independent Study, Practicum, and Internship are permitted.

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

**ART - HISTORY TRACK (B.A.)**

**College of Arts and Humanities**

**Art Department, VAB 117, 407-823-2676**

http://www.art.ucf.edu/

Contact: M. Zaho, 407-823-2676

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

**Admission Requirements**
- none

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C+" (2.0) in lower-level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a departmental art history advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these must be in an area of ARH specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program**

- A. Communication Foundations
  - 9 hrs
- B. Cultural and Historical Foundations
  - Prefer a course from group B. 1.
  - 3 hrs
  - Select ARH 2050 History of Western Art I
  - Select ARH 2051 History of Western Art II
  - 3 hrs
  - 3 hrs
- C. Mathematical Foundations
  - Prefer MGF 1106 Finite Mathematics or MGF 1107
  - (may substitute a higher level math)
  - 3 hrs
  - Prefer STA 1060C Statistics Using Excel
  - 3 hrs
- D. Social Foundations
  - 6 hrs
- E. Science Foundations
  - 6 hrs

**2. Common Program Prerequisites**

- 6 hrs

**3. Core Requirements**

- 18 hrs

**4. Restricted Electives**

- 24 hrs

---

**5. Departmental Exit Requirements**

**ART 4935 BFA Exhibit/Seminar required, except for Graphic Design**

**(8 hrs)**

**Fall**
- ART 2500C req# 2-CPP
- ART 3332C req# 4a. Spec
- ART 4220C req# 4a. Spec
- GRA 3151C req# 4a. Spec
- SPN 1120C req# Lang/Elect

**Spring**
- ART 3161* req# 3-Core
- ART 4332C req# 4a. Spec
- ART 4320C req# 4a. Spec
- GRA 4800* req# 4c. ResElE
- SPN 1121C req# Lang/Elect

**Application See catalog**

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**6. Foreign Language Requirements**

**(0-8 hrs)**

**Admission: Met by graduation requirement**

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

**7. Electives**

**(variable)**

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

---

**8. University Minimum Exit Requirements**

**Fall**
- ART 2754C* req# 4b. ResEl
- MGF 1106* req# 1C1-GEP
- ENC 1101 Composition I
- ARH 2050 History of Western Art I

**Spring**
- ART 2201C Design Fund 2 D
- ART 3161* req# 3-Core
- ART 3332C req# 4a. Spec
- MGF 1107

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**Related Programs:**

- Partners in Visual Art Education

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**Related Minors:**

- Art History, Studio Art (BA), Art Education

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**Transfer Note:**

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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**Acceptable Substitutes**

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

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**Program Academic Learning Compacts**

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

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**Equipment Fee**

- Full-time Student: $63 per term
- Part-time Student: $31.50 per term

---

**Suggested Plan of Study:**

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

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**Freshman Year**

<table>
<thead>
<tr>
<th>Fall</th>
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<th>Core #</th>
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<td>ENC 1102</td>
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<tr>
<td>HUM 2210*</td>
<td>STA 1060C</td>
<td>3</td>
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<tr>
<td>MGF 1106*</td>
<td>ART 2201C</td>
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<td>ART 2820</td>
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**Sophomore Year**

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<td>BSC 1005*</td>
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<tr>
<td>ART 2203C</td>
<td>3</td>
<td>CHM 1020*</td>
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<tr>
<td>ART 2300C</td>
<td>3</td>
<td>ART 2301C</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>3</td>
<td>ART 2500</td>
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<tr>
<td>Intro to Comp Art</td>
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<td>ART 3950 Portfolio Review</td>
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**Senior Year**

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<td>ART 3760C*</td>
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<tr>
<td>PGM 2401C</td>
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<td>PGM 4402C*</td>
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<td>ART 4430*</td>
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</tr>
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<td>Elective*</td>
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<td>ART 4935</td>
</tr>
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</table>

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**Application**

- See catalog

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**Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.**

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**Total Semester Hours Required**

**120 hrs**

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**University of Central Florida**

2009-2010 Undergraduate Catalog

UNIVERSITY OF CENTRAL FLORIDA
b. One of the following courses: 3 hrs
ARH 4200 Medieval Art
ARH 4350 Greek Art and Architecture

3. Select 18 additional hours from following: 18 hrs

ARD 3471 Art in Last 25 Years
ARD 3520 African Art
ARD 3610 American Art
ARD 3710 History of Photography I
ARD 3711 History of Photography II
ARD 3720 History of Prints
ARD 4350 Baroque Art
ARD 4655 MesoAmerican Art
ARD 4892 Women in Art
ARD 5897 Adv. Seminar in Art History
ARD 4150 Roman Art and Architecture
ARD 4200 Medieval Art
ARD 4352 Italian Baroque Art
ARD 3728 History of Illustration
ARD 3XXX-4XXX Additional Art History course

5. Departmental Exit Requirements
- Achieve at least a “C” GPA (2.0) in courses within the major
- Computer Competency met by STA 1060C, GRA 2101C, or ARH 3820

6. Foreign Language Requirements (0-11 hrs)
Admission: Met by graduation requirement.
Graduation: Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.
(A maximum of six hours of Independent Study, Practicum, and Internship are permitted.)

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
Related Programs: Studio Art (BA, BFA), Art Education
Related Minors: Studio Art, Partners in Visual Art Education
Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

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

Equipment Fee
- Full-time Student $63 per term
- Part-time Student $31.50 per term

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

Freshman Year

Fall
ARH 2050 History of the Western World I 3 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Diversity: An Introduction to Multicultural Studies 3 hrs
MGF 1106 Finite Mathematics 3 hrs

Spring
ARH 2051 History of the Western World II 3 hrs
ENC 1102 Composition II 3 hrs
HUM 2211 Diversity: An Introduction to Multicultural Studies 3 hrs
MGF 1107 Finite Mathematics 3 hrs

Sophomore Year

Fall
COM 1000 Communication I 3 hrs
POS 2041 Political Science I 3 hrs
ART 2201C Design Fundamentals 2-D 3 hrs
ART 2300C Drawing Fund II 3 hrs
ENC 3311 Adv. Exp Writing 3 hrs

Spring
ART 2050 The History of Western Art I 3 hrs
ART 2051 The History of Western Art II 3 hrs
GRA 2101C Intro to Computer Art 3 hrs
ART 2200-4000 any ART prefix, studio or media course 3 hrs

Junior Year

Fall
COM 1000 Communication I 3 hrs
ART 2050 The History of Western Art I 3 hrs
ART 2051 The History of Western Art II 3 hrs

Spring
ART 2200-4000 any ART prefix, studio or media course 3 hrs

Senior Year

Fall
ART 4350 History of the Western Art 3 hrs
ART 4450 Renaissance Art 3 hrs
ART 4894 Advanced Seminar in Art History 3 hrs

Spring
ART 4350 History of the Western Art 3 hrs
ART 4450 Renaissance Art 3 hrs
ART 4894 Advanced Seminar in Art History 3 hrs

ART - STUDIO TRACK (B.A.)
College of Arts and Humanities
Art Department, VAB 117, 407-823-2676
http://www.art.ucf.edu/
Contact: J. Chavda, 407-823-2676

Note: Although the department maintains a small computer lab for student use, Graphic Design and Animation majors must have continual access to a laptop computer. Contact the department for the minimum hardware and software specifications.

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Degree Requirements
- All junior level students in this program (except Graphic Design and Animation students) must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. The Spring review takes places the first week of March. The Fall review takes place the first week of October.
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a departmental advisor in their specialization.

Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these hours must be in an area of specialization.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations 3 hrs
   Select a course from each of these requirements.
   Select a course from the UCF Department of Art.
   Select a course from either group B.1 or B.2.
   Prefers MGF 1106 Finite Mathematics or MGF 1107

2. Common Program Prerequisites (18 hrs)
   Prefers MGF 1106 Finite Mathematics or MGF 1107
   (may substitute a higher level math)
   Prefers STA 1060C Statistics Using Excel
   Prefers STA 1000C Statistics Using Excel
**UCF Degree Programs**

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

### 3. Core (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>ART 2820</td>
<td>Art as Interface</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2500</td>
<td>History of Non-Western Art</td>
<td>3 hrs</td>
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<tr>
<td>ARH 3900</td>
<td>Portfolio Review</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

### 4. Restricted Electives (27 hrs)

**Specialization:**
Select nine upper division courses from at least three areas:
- Art History (any upper level ARH courses)
- Ceramics (ART 3760C, ART 4783C)
- Drawing and Printmaking (ART 3323C, ART 3433C, ART 4320C, ART 4402C)
- Illustration (GRA 3151C, GRA 4154C)
- Painting (ART 3154C, ART 4505C)
- Photography (PGY 2401C, PGY 4420C, PGY 4440C)
- Sculpture (ART 2701C, ART 4710C)
- Type & Design (GRA 3113C)

*May be repeated for credit

### 5. Departmental Exit Requirement
- Achieve at least a "C" GPA (2.0) overall in courses within the major
- Computer Competency met by STA 1060C or GRA 2101C

### 6. Foreign Language Requirements (0-8 hrs)

**Admission:** Met by graduation requirement

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

### 7. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

(A maximum of six hours of Independent Study, Practicum, and Internship permitted)

### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required 120 hrs

**Related Programs:** Art History, Studio Art (BFA), Art Education

**Related Minors:** Partners in Visual Art Education, Digital Media

**Transfer Notes:**
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:
- GRA 2101C: may substitute 3 hours of any digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major

**Program Academic Learning Compacts**

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

### Equipment Fee

- Full-time Student: $63 per term
- Part-time Student: $31.50 per term

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

### Freshman Year

<table>
<thead>
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<tr>
<td>ARH 2500 His of West Art I</td>
<td>3 ARH 2501 His of West Art II</td>
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<tr>
<td>ENC 1101 Composition I</td>
<td>3 ENC 1102 Composition II</td>
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<td>HUM 2210 req# 1B1-GEP</td>
<td>3 STA 1060C Stat Using Excel</td>
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<td>MGF 1106 req# 1C1-GEP</td>
<td>3 ART 2201 Design Fund 2 D</td>
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<td>ART 2820 Art as Interface</td>
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### Sophomore Year

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<td>GRA 2101C Intro to Comp Art</td>
<td>3 ARH 2500 His of West Art</td>
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<td>3 ART 3905 Portfolio Review</td>
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### Junior Year

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<td>GRA 3151C req# 4-ResElect</td>
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### Senior Year

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### ART EDUCATION (B.S.)

**College of Education**

**Department of Teaching and Learning Principles, ED 209**
[http://education.ucf.edu/arted](http://education.ucf.edu/arted)

**Program Coordinator:** Dr. Thomas Brewer, ED 122-U, 407-823-3714, E-mail: tbrewer@mail.ucf.edu

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

**Degree Requirements**
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

### 1. UCF General Education Program* (36 hrs)

**A. Communication Foundation**
- 9 hrs

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>1. ENC 1101</td>
<td>English Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. ENC 1102</td>
<td>English Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3. SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B. Cultural-Historical Foundation**
- 9 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Select: ARH 2500 History of Western Art I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>(A grade of &quot;C-&quot; (1.75) or better is required in ARH 2500)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**C. Mathematical Foundation**
- 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Prefer: MGF 1106 Finite Mathematics or MG 1107</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**D. Social Foundation**
- 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Prefer: POS 2041 American National Government</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>2. Prefer: PSY 202 General Psychology</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>
### University of Central Florida (UCF) Degree Programs

#### E. Science Foundation
- 1. Prefer: PSC 1121 Physical Science (3 hrs)
- 2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles (3 hrs)

*Note: students are strongly advised to take the preferred courses.*

#### 2. Education Common Program Prerequisites (9 hrs)
- EDF 2005 Introduction to the Teaching Profession (3 hrs)
- EDF 2085 Introduction to Diversity for Educators (3 hrs)
- EME 2040 Introduction to Technology for Educators (3 hrs)

*Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement. See “Common Prerequisites” in the Transfer and Transitions Services section for more information.*

#### 3. Other Program Prerequisites (30 hrs)
- *ARH 2050 History of Western Art I (3 hrs)
- *ARH 2051 History of Western Art II (3 hrs)
- *ART 2201C Design Fundamentals I (3 hrs)
- *ART 2203C Design Fundamentals II (3 hrs)
- *ART 2301C Drawing Fundamentals I (3 hrs)
- *ART 2301C Drawing Fundamentals II (3 hrs)
- *GRA 2101C Intro to Computer Graphics (3 hrs)
- ART 2574C Ceramics (3 hrs)
- ART 2500C Painting (3 hrs)
- ART 2400C Printmaking (3 hrs)
- PGY 2401C Photography (3 hrs)

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

#### 4. Education Core Requirements (15 hrs)
- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)
- EDF 4467 Learning Theory and Assessment (3 hrs)
- EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESOL I (3 hrs)
- Students in Schools (3 hrs)
- RED 4043 Content Reading K-12 (3 hrs)

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

*Passing score on the General Knowledge Test portion of the Florida Teacher Certification Exam (FTCE) is required before application to Internship I.*

*Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.*

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

#### 5. Internship I (3 hrs)
- ARE 3940 Internship I (3 hrs)

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

#### 7. Restricted Electives (9 hrs)

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any 3000 or 4000 level</td>
<td>ART, ARE, ARH, PGY (with advisor’s approval)</td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

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

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

#### 10. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

#### 11. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 40 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

#### 12. Total Program Semester Hours Required 126 hrs

Consult with your Education advisor and review your degree audit for more recent information.

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

#### 13. Recommended Four Year Sequence of Course

The program of study will be affected by course offerings and availability. Please see the Art Education Web site at [http://education.ucf.edu/arted/](http://education.ucf.edu/arted/) for the advising policy.

**Freshman Year**
- **Fall:** 15 hrs
  - EDF 2005 Intro to the Teaching Prof 3
  - ENC 1101 English Composition I 3
  - PSC 1121 Physical Science 3
  - STA 1060C Basic Stat using MS Excel 3
  - ARH 2050 The History of Western Art I 3
- **Spring:** 12 hrs
  - ARE 2101C Intro to Art Criticism I 3
  - ART 2301C Drawing Fundamentals II 3
  - ART 2400C Printmaking 3
  - STA 2014C Principles of Statistics 3
  - EME 2040 Introduction to Technology for Educators 3

**Sophomore Year**
- **Fall:** 12 hrs
  - ARH 2051 History of Western Art II 3
  - ART 2203C Design Fundamentals II 3
  - BSC 1005 Biological Principles 3
  - STA 1060C Basic Stat using MS Excel 3
  - STA 2014C Principles of Statistics 3
- **Spring:** 15 hrs
  - ARH 2050 The History of Western Art I 3
  - ART 2201C Design Fundamentals I 3
  - STA 1060C Basic Stat using MS Excel 3
  - PSC 1121 Physical Science 3

**Junior Year**
- **Fall:** 15 hrs
  - ARE 4356 Teach Art Apprec & Critic 3
  - ART 2203C Design Fundamentals II 3
  - EDF 4471 Learning Theory & Assessmt 3
  - STA 1060C Basic Stat using MS Excel 3
  - STA 2014C Principles of Statistics 3
  - EME 2040 Introduction to Technology for Educators 3
- **Spring:** 15 hrs
  - ART 2301C Drawing Fund II 3
  - STA 1060C Basic Stat using MS Excel 3
  - ART 2400C Printmaking 3
  - STA 2014C Principles of Statistics 3
  - EME 2040 Introduction to Technology for Educators 3
  - ART 2201C Design Fundamentals I 3

**Senior Year**
- **Fall:** 12 hrs
  - ARE 4356 Teach Art Apprec & Critic 3
  - ART 2301C Drawing Fund II 3
  - EDF 4471 Learning Theory & Assessmt 3
  - STA 1060C Basic Stat using MS Excel 3
  - STA 2014C Principles of Statistics 3
- **Spring:** 15 hrs
  - ARE 4356 Teach Art Apprec & Critic 3
  - ART 2301C Drawing Fund II 3
  - EDF 4471 Learning Theory & Assessmt 3
  - STA 1060C Basic Stat using MS Excel 3
  - STA 2014C Principles of Statistics 3

For more information, please visit the UCF Degree Programs Portal.
## UCF Degree Programs

### Biology Department

**BIOLOGY (B.S.)**

- **Fall**
  - ARE 4351 Teach Art in the Elem Sch 12
  - EDF 4003 Anal & App of Eth, Legal, & Safety Issues in Sch 3
  - Restricted electives 3
  - (Any ATE/ART/ART/PGY 3/4XX with Advisor approval) 3
  - ATE 3940 Internship I 3

- **Spring**
  - ATE 4941 Intern II 12

**Senior Year**

- Fall 12 hrs
- Spring 12 hrs

### Biology Department

**BIOLOGY (B.S.)**

- **College of Sciences**
- BL 301, 407-823-2141
- http://www.cos.ucf.edu/biology
- E-mail: biology@ucf.edu
- Contact: F. Loguidice, 407-823-2141

### Admission Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- No more than 4 hours of BSC 4422L, BSC 4937, Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 30 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Upon reaching junior standing Biology majors are expected to have completed the following courses: BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046, CHM 2210, CHM 2211, and associated Chemistry laboratories. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

### 1. UCF General Education Program (36+3 hrs)

#### A. Communication Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Select ENC 1101 and ENC 1102</td>
<td>6 hrs</td>
</tr>
<tr>
<td>2. Prefer SPC 1603</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### B. Cultural and Historical Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Select MAC 2311</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2. Select STA 2023</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### C. Mathematical Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Select CHM 2045C or CHM 2040C and 2041C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2. Select BSC 2010C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C*</td>
<td>GEP</td>
</tr>
<tr>
<td>BSC 2011C*</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2311*</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2023*</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 2045C*</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 2046L*</td>
<td>GEP</td>
</tr>
<tr>
<td>Select one Physics sequence with lab*</td>
<td>8 hrs</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>GEP</td>
</tr>
<tr>
<td>or PHY 2049L</td>
<td>GEP</td>
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</tbody>
</table>

#### 3. Core requirements (21-22 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
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</tr>
<tr>
<td>CHM 2311L</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 2205</td>
<td>GEP</td>
</tr>
<tr>
<td>PCB 3044</td>
<td>GEP</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>GEP</td>
</tr>
<tr>
<td>PCB 3023</td>
<td>GEP</td>
</tr>
<tr>
<td>PCB 4683</td>
<td>GEP</td>
</tr>
</tbody>
</table>

#### Notes

- Students planning on entering professional or graduate school should take Biochemistry (BCH 4053, BCH 4054) as well as additional Calculus courses. Students are urged to consult their departmental advisor.
- Courses must be selected from the groupings listed below.
- Student must complete at least one course dealing exclusively with animals (marked ‘a’) and one course dealing exclusively with plants (marked ‘b’).
- At least three credits from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been designated with an asterisk (*).
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.

### 4. Upper Division Restricted Electives (22 hrs)

- Students must complete at least one course dealing exclusively with animals (marked ‘a’) and one course dealing exclusively with plants (marked ‘b’).
- At least three credits from each group must be completed.
- Each student must adopt the most current catalog. Courses at the 5000 level are only open to seniors and beginning graduate students.

#### 4.1 Form/Function (minimum of one lecture course)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>GEP</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>GEP</td>
</tr>
<tr>
<td>b BOT 4232*</td>
<td>GEP</td>
</tr>
<tr>
<td>b BOT 4303*</td>
<td>GEP</td>
</tr>
<tr>
<td>b BOT 4503*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 4101*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 4454*</td>
<td>GEP</td>
</tr>
<tr>
<td>a PCB 3024L*</td>
<td>GEP</td>
</tr>
<tr>
<td>a PCB 3063*</td>
<td>GEP</td>
</tr>
<tr>
<td>a PCB 3233</td>
<td>GEP</td>
</tr>
<tr>
<td>a PCB 3703C</td>
<td>GEP</td>
</tr>
<tr>
<td>a PCB 4514*</td>
<td>GEP</td>
</tr>
<tr>
<td>a PCB 4524</td>
<td>GEP</td>
</tr>
<tr>
<td>a PCB 4683L*</td>
<td>GEP</td>
</tr>
<tr>
<td>a PCB 4732*</td>
<td>GEP</td>
</tr>
<tr>
<td>a PCB 5665C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a PCB 5935*</td>
<td>GEP</td>
</tr>
<tr>
<td>a ZOO 3713C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a ZOO 3733C</td>
<td>GEP</td>
</tr>
<tr>
<td>a ZOO 4603C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a ZOO 4753C*</td>
<td>GEP</td>
</tr>
</tbody>
</table>

#### 4.2 Environmental (minimum of one lecture course)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>b BOT 3018C*</td>
<td>GEP</td>
</tr>
<tr>
<td>b BOT 3152C*</td>
<td>GEP</td>
</tr>
<tr>
<td>b BOT 3800*</td>
<td>GEP</td>
</tr>
<tr>
<td>b BOT 4156C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BOT 4688C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 5937*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 4312C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 5285L*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 5921*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 5936*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 5435C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 5485*</td>
<td>GEP</td>
</tr>
</tbody>
</table>

#### Notes

- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.

### 4.3 Systematic (minimum of one lecture course)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>b BOT 4712C*</td>
<td>GEP</td>
</tr>
<tr>
<td>b BOT 5485C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 4004C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 5060C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a BSC 5020C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a ZOO 4205C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a ZOO 4310C*</td>
<td>GEP</td>
</tr>
<tr>
<td>a ZOO 5456C*</td>
<td>GEP</td>
</tr>
</tbody>
</table>

#### Notes

- Co-op or internship credit cannot be used in this major.
- No credit by exam (TSD, Military credit) may be used for the major.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.
5. Departmental Exit Requirements
- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

BIOLOGY – PREPROFESSIONAL CONCENTRATION (B.S.)
College of Sciences

E-mail: biology@ucf.edu
Contact: F. Loguidice, 407-823-2141

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

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- No more than 4 hours of BSC 4422L, BSC 4937, Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.

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 Fee
- Full-time Student ...........................................$38 per term
- Part-time Student ..............................................$19 per term

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

Summer
Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year
Fall
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chem Fund I 4 hrs
- ENC 1101 Composition I 3 hrs
- Elective* Check restrictions 3 hrs

Spring
- ENC 1102 Composition II 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fund II 3 hrs
- Elective* Check restrictions 3 hrs

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

Spring
- MAC 2312 Calc Analytic Geo II 4 hrs
- PCB 3023 Mol Cell Biology 3 hrs
- BOT 4303C req# 4.1 ResEl 3 hrs
- Elective* Check restrictions 3 hrs

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

Spring
- PHY 2054C* req# 2-CPP 4 hrs
- PCB 4883 Evolutionary Biology 3 hrs
- Elective* Check restrictions 3 hrs

Senior Year
Fall
- HUM 2110* req# 1B3-GEP 3 hrs
- PSY 2012* req# 1D2-GEP 3 hrs
- REL 2020* req# 1B3-GE 3 hrs
- PCB 4883 Evolutionary Biology 3 hrs
- Elective* Check restrictions 3 hrs

Spring
- HUM 2110* req# 1B3-GEP 3 hrs
- PSY 2012* req# 1D2-GEP 3 hrs
- REL 2020* req# 1B3-GE 3 hrs
- PCB 4883 Evolutionary Biology 3 hrs
- Elective* Check restrictions 3 hrs

Related Programs: Molecular and Microbiology, Science Education, Environmental Engineering
Related Minors: Biology, Molecular and Microbiology, Environmental Studies.
Transfer Notes:
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes:
The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- BSC 2010C & Lab: may use PCB 2010, PCB 2111, PCB 2021, PCB 2131, BSC 1040, or BSC 12
- BSC 2011C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 2011C or both ZOO 2010 and BOT 2010.
- STA 2023: may use STA 2122, STA 214C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3282. However, statistics at or above the level of STA 2023 is required in the major and still must be taken.
- MAC 2311: may use MAC 2233 or MAC 2253 or MAC 2241
- Physics: Although Common Program Prerequisites permit substituting Organic Chemistry for Physics, both Physics and Organic Chemistry must be taken as part of the Biology degree requirements.
## UCF Degree Programs

- Upon reaching junior standing, Biology students are expected to have completed the following courses: BSC 2010C, BSC 211C, CHM 2045C, CHM 2046, CHM 2210, CHM 2211 and associated Chemistry laboratories. These courses are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

### 1. UCF General Education Program

**(36+3 hrs)**

**A. Communication Foundations**

1. Select ENC 1101 and ENC 1102
2. Prefer SPH 1503

**B. Cultural and Historical Foundations**

- 9 hrs

**C. Mathematical Foundations**

- Select MAC 2311
- Select STA 2023

**D. Social Foundations**

- 6 hrs

**E. Science Foundations**

1. Select CHM 2045C or CHM 2040C and CHM 2041C
2. Select BSC 2010C

### 2. Common Program Prerequisites

**(16 hrs)**

- BSC 2010C* Biology I GEP
- BSC 211C* Biology II GEP
- MAC 2311* Calculus w/Analytic Geometry I GEP
- STA 2023* Statistical Methods I GEP
- CHM 2045C+ Chem Fund I GEP
- CHM 2046 & L Chem. Fund II & Lab
- Select one Physics sequence with lab+
- PHY 2053C College Physics I
- PHY 2054C College Physics II

*See Transfer Notes for possible substitutes

+CHM 2040C plus CHM 2041C can substitute for CHM 2045C
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core requirements

**(21 hrs)**

- PCB 3044 Principles of Ecology
- PCB 3063 Genetics
- CHM 2210 Organic Chem. I
- CHM 2211 & L Organic Chem. II & Lab
- PCB 3023 Molecular Cell Biology
- PCB 4683 Evolutionary Biology

### 4. Restricted Electives (Suggested)

**(22 hrs)**

- Student must complete at least one course dealing exclusively with animals (marked ‘a’) and one course dealing exclusively with plants (marked ‘b’).
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been designated with an asterisk (*).
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- The following suggestions are appropriate for many professional schools. Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.

### 4.1 Form/Function

**Notes:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
</tr>
<tr>
<td>BSC 4454</td>
<td>Research in Animal Physiology</td>
</tr>
<tr>
<td>PCB 2063L*</td>
<td>Genetics Laboratory</td>
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<td>PCB 3024L*</td>
<td>Molecular Cell Biology Laboratory</td>
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<tr>
<td>PCB 3233</td>
<td>Immunology</td>
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<tr>
<td>PCB 3514*</td>
<td>Genetics II</td>
</tr>
<tr>
<td>PCB 5665C*</td>
<td>Human Genetics</td>
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<tr>
<td>a PCB 4723*</td>
<td>Animal Physiology</td>
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<tr>
<td>a ZOO 3713C*</td>
<td>Comparative Vert Anatomy</td>
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<tr>
<td>a ZOO 4683C</td>
<td>Embryology/Development</td>
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<tr>
<td>a ZOO 4753C</td>
<td>Vertebrate Histology</td>
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**b BOT 3800* | Ethnobotany | 3 hrs**

**4.2 Environmental (minimum of one lecture course)**

<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>a ZOO 4205C*</td>
<td>Bio &amp; Ecol of Metazoan Inverts</td>
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</table>

**4.3 Systematic (minimum of one lecture course)**

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<thead>
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<th>Title</th>
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</thead>
<tbody>
<tr>
<td>a ZOO 4310C*</td>
<td>Vertebrate Evolution &amp; Ecol</td>
</tr>
</tbody>
</table>

### 5. Departmental Exit Requirements

- **A minimum of 2.0 GPA in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.**
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAST must be completely satisfied.

### 6. Foreign Language Requirement

- **(0-8 hrs)**

- **Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

- **Graduation:** none

### 7. Electives

**(variable)**

Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 8. University Minimum Exit Requirements

- **A 2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 36 hours of course work must be completed in residency at UCF**
- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted**
- **Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)**

**Total Semester Hours Required**

**120 hrs**

*Related Programs: Biology, Chemistry, Molecular/Microbiology*

*Related Minors: none*

**Transfer Notes:**

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes:**

The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:

- BSC 2010C & Lab: may use PCB 2109, PCB 2111, PCB 2211, PCB 2311, BSC 1040, or BSC 1012
- BSC 2111C & Lab: may use ZOO 100, BOT 200, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 2111C or both ZOO 2100 and BOT 2010.
- STA 2023: may use STA 2122, STA 2014C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3282.

However, statistics as at or above the level of STA 2023 is required in the major and still must be taken.

- MAC 2311: may use MAC 2233 or MAC 2253 or MAC 2241
- Physics: Although Common Program Prerequisites permit substituting Organic Chemistry for Physics, both Physics and Organic Chemistry must be taken as part of the Biology degree requirements.
### UCF Degree Programs

#### BIOTECHNOLOGY (B.S.)

**College of Medicine**

Burnett School of Biomedical Sciences

Department of Molecular Biology and Microbiology

HPA2 335, 407-823-5932

[http://www.bimed.ucf.edu](http://www.bimed.ucf.edu)

Chair: P. E. Kolattukudy

Program Director: Henry Daniell, E-mail: daniell@mail.ucf.edu

The B.S. Biotechnology produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

#### Admission Requirements

- **none**

#### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Students should complete the General Education Program before transferring within the Florida Public University/Community College System.**
- **Students should consult with a Departmental advisor.**
- **Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.**

### Freshman Year

<table>
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<td>ENC 1102 Composition I</td>
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<tr>
<td>CHM 2045C Chemistry Fund I</td>
<td>PHY 2048* req₹ 2-CPP 3</td>
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<tr>
<td>ENC 1101 Composition I</td>
<td>PHY 2049* req₹ 2-CPP 3</td>
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<tr>
<td>Elective* Check restrictions</td>
<td>PHY 2048* req₹ 2-CPP 3</td>
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<tr>
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<td>SPC 1603 Fund Tech Presentn 3</td>
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<tr>
<td>POS 2041* req₹ 1D1-GEPl</td>
<td>CHM 2211 Organic Chm II 3</td>
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<td>STA 2022 Stat Methods I</td>
<td>PCB 2032 Mol Cell Biology 3</td>
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<td>PCB 3044 Prin of Ecology</td>
<td>CHM 2212 Organic Chm</td>
<td>PCB 4054 Biochemistry I 3</td>
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<td>PHY 2048* req₹ 2-CPP 3</td>
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<td>PCB 3023 Mol Cell Biology 3</td>
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<td>ZOO 3173C* req₹ 4.1-ResEl 5</td>
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### A Note on Preparing for the MCAT Examination

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

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*Students who do not qualify for the MCB 4970H may elect MCB 4912, Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.*

---

*Grades below “C-” (1.75) in life science courses will not be accepted.*

### 1. UCF General Education Program

**Required Courses**

- **Science (27 hrs)**
  - MAC 2311L College Physics I, II 8 hrs
  - BCH 4103 Biochemical Methods 2 hrs
  - PCB 3023, 3023L Pathogenic Microbiology + Lab 4 hrs
  - MCB 5932, 5932L Current Topics in Molecular Biology 3 hrs

- **Biological Science (34 hrs)**
  - MCB 3020C General Microbiology 5 hrs
  - MCB 4204 Cellular Microbiology 3 hrs
  - MCB 4312 Molecular Biotechnology 3 hrs

- **Life Sciences (27 hrs)**
  - MCB 3202C General Biology I 3 hrs
  - MCB 4114 Microbial Metabolism 3 hrs
  - MCB 4312 Molecular Biotechnology 3 hrs
  - PCB 3522, 3522L Molecular Biology I and II 6 hrs
  - PCB 3522, 3522L Molecular Biology I and II 6 hrs

- **Mathematics (12 hrs)**
  - MAC 2311L Calculus with Analytical Geometry I 4 hrs
  - STA 2023 Statistics 3 hrs
  - STA 2053 College Algebra 3 hrs
  - STA 2053 College Algebra 3 hrs

- **Chemistry (12 hrs)**
  - MAC 2311L Calculus with Analytical Geometry I 4 hrs
  - CHM 2210B Calculus with Analytical Geometry I 4 hrs
  - CHM 2211B Calculus with Analytical Geometry I 4 hrs

- **Physics (12 hrs)**
  - PHY 2048L* req₹ 2-CPP 3
  - PHY 2049L* req₹ 2-CPP 3
  - PCB 4174 Foundations of Bio-Imaging Science 3 hrs

- **Computer Science (6 hrs)**
  - MAC 2311L Calculus with Analytical Geometry I 4 hrs
  - MAC 2311L Calculus with Analytical Geometry I 4 hrs

### 2. Common Program Prerequisites

**Required Courses**

- **Biology (21 hrs)**
  - MCB 3010C Biology I 4 hrs
  - MCB 4110C Biology II 4 hrs

- **Chemistry (21 hrs)**
  - CHM 2210 Organic Chm I + II 6 hrs
  - CHM 2211 Organic Chm I + II 6 hrs

- **Physics (21 hrs)**
  - PHY 2048L, 2049L College Physics I, II 8 hrs
  - PHV 2053C, 2054C College Physics I, II + Lab 8 hrs

### 3. Core Requirements

**Required Courses**

- **Mathematics (52 hrs)**
  - MAC 2311L Calculus with Analytical Geometry I 4 hrs
  - MAC 2311L Calculus with Analytical Geometry I 4 hrs

- **Life Sciences (52 hrs)**
  - MCB 3202C General Microbiology 5 hrs
  - MCB 4114 Microbial Metabolism 3 hrs
  - MCB 4312 Molecular Biotechnology 3 hrs

- **Physics (52 hrs)**
  - PHY 2048L, 2049L College Physics I, II 8 hrs
  - PHV 2053C, 2054C College Physics I, II 8 hrs

### 4. Upper Division Restricted Electives

**Required Courses**

- **Biology (6-8 hrs)**
  - BCH 4054 Biochemistry II 3 hrs
  - BCH 4103L Biochemical Methods 2 hrs
  - MCB 3203, 3203L Pathogenic Microbiology + Lab 4 hrs
  - MCB 3203 Infectious Processes 3 hrs
  - MCB 5932 Current Topics in Molecular Biology 3 hrs
  - MCB 5932 Current Topics in Molecular Biology 3 hrs

### 5. Departmental Exit Requirements

**Required Courses**

- **Biology (72 hrs)**
  - MCB 4312 Molecular Biotechnology 3 hrs
  - MCB 4312 Molecular Biotechnology 3 hrs

### Notes

- **Students must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.**

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*All students must complete a minimum of 60 hours in the major to graduate. Students must have a GPA of at least 2.0 for all coursework in the prerequisites, Core and Restricted Electives.*
**UCF Degree Programs**

- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students are required to pass a comprehensive test during their last semester.

**6. Electives** (variable)

**7. Foreign Language Requirements** (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

**8. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

**Total Semester Hours Required** 120 hrs

**Related Programs:** Biology, Chemistry, Molecular Biology and Microbiology, Medical Lab Science

**Related Minors:** Biology, Chemistry, Molecular Biology and Microbiology

**Transfer Notes:** Substitutes for Common Program Prerequisites

- MAC X311 or MAC X233 or MAC X353 or MAC X281
- PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
- STA X023 or STA X122 or STA X041 or STA X042 or STA X321

Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

**Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:
- BSC 2011C*: may be substituted by BSC 3403C
- CHM 2045C**: may be substituted by CHM 2040, 2041

**Honors in the Major**

- Application and admission through the department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete BSC 3404H “Quantitative Biological Methods” with a grade of B or better (4 credits).
- Complete MCB 497OH “Honors Thesis” with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).

**Program Academic Learning Compacts**

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

**Equipment Fee**

- Full-time Student: $78 per term
- Part-time Student: $39 per term

**Tentative Course Schedule for Entering Freshmen:** One of many possible plans of study. Consult a departmental advisor for alternative plans and insert electives to total 120 hours.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall</th>
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<th>Spring</th>
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<td>or ANT 2001</td>
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<th>Spring</th>
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<td>CHM 2211L</td>
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</table>

Plan your required 9 summer hours into your course of study

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
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<tr>
<td>PCB 3522</td>
<td>3</td>
<td>PCB 4524</td>
<td>3</td>
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<td>ECO 2013 or POS 2041</td>
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<td>PCB 4239 + PCB 3233L</td>
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*Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2111/2112 as prerequisites.

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</table>

For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided [it is assumed that GEP and physics will be completed at cc]:

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Fall</th>
<th>13/15 hrs</th>
<th>Spring</th>
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<th>Senior Year</th>
<th>Fall</th>
<th>13/14 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
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<td>MCB 4414</td>
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<td>PCB 4529</td>
<td>3</td>
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<tr>
<td>MCB 4712C</td>
<td>4</td>
<td>PCB 4239, 3233L</td>
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<td></td>
</tr>
<tr>
<td>MCB 4312</td>
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<td>PCB 4529</td>
<td>3</td>
<td></td>
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<tr>
<td>Elective 3000 level</td>
<td>3/4</td>
<td>PCB 4174</td>
<td>3</td>
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</tr>
</tbody>
</table>

**BUSINESS**

See General Business

**BUSINESS ADMINISTRATION (B.B.A.)**

Completion program for individuals who have a statewide articulated A.A. from a Florida public community college

(Note: This degree program is only available at selected Regional Campuses (Cocoa, Daytona, Valencia West, Palm Bay, Sanford/Lake Mary, and South Lake, Osceola and Ocala).

**College of Business Administration**

**Regional Campuses Administrative Offices, 407-823-4547**

12201 Research Parkway, Suite 101
http://www.regionalcampuses.ucf.edu

Not eligible for a double degree with another College of Business Administration major

Regional Campus Director of Advising: Helen Hill, 407-823-1509, hhill@mail.ucf.edu

Cocoa campus advising: Angelia Jones, 321-433-7889; Clermont/ Ocala campus advising: Selena Forrester, 352-536-2174; Daytona campus advising: Christine Davis, 386-506-4021; Valencia West/ Osceola campus advising: Caroline Obexer, 407-582-5500

The Bachelor of Arts in Business Administration (B.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.B.A. degree is significantly different than
the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF’s undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor.

Admission Requirements

2.0 GPA and completion of General Education, Gordon Rule, and Common Program Prerequisites.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.

1. UCF General Education Program

A. Communication Foundations
   - Preferred: SPC 1606
   - 9 hrs
B. Cultural and Historical Foundations
   - 9 hrs
C. Mathematical Foundations
   - Select MAC 1140 Pre-Calculus
   - 3 hrs
D. Social Foundations
   - Select ECO 2013 Microeconomics
   - 3 hrs
E. Science Foundation
   - Select STA 2023 Principles of Statistics
   - 3 hrs

2. Common Program Prerequisites

   - A maximum of 12 of the 36 upper level business courses for their degree program in the College of Business Administration.
   - Students must earn at least a 2.0 GPA in the College of Business Administration.

   Must be completed with a “C” (2.0) or better.

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

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

3. Core Classes

   - (36 hrs)

   First or subsequent semester in the College of Business

   Administration:

   - GEB 3031 Cornerstone (Required in 1st or 2nd semester)
   - 4 hrs
   - GEB 3375 Introduction to International Business
   - 4 hrs
   - BUL 3150 Legal & Ethical Environments of Business
   - 4 hrs
   - ECO 3411 Quantitative Business Tools II
   - 4 hrs
   - FIN 3403C Business Finance
   - 4 hrs
   - MAN 3025 Management of Organizations
   - 4 hrs
   - ISM 301C Essentials of Management Information Systems
   - 4 hrs
   - MAR 3023 Marketing
   - 4 hrs
   - Last Semester:
     - MAN 4720 Strategic Management
     - 4 hrs

4. Area of Specialization

   - (18 hrs min)

   Existing non-business minor offered at Regional Campus

5. Foreign Language Requirements

   - (0-8 hrs)

   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

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

6. University Minimum Exit Requirements

   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits are permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs (A.A. Transfers)

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one-half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration.
- Additionally, 12 of the 30 credit hours completed at UCF must be from the department or college in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Program Academic Learning Compacts

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

Equipment Fee

- Full-time Student: $30 per term
- Part-time Student: $15 per term

CARDIOPULMONARY SCIENCES (B.S.)

College of Health and Public Affairs
Department of Health Professions
HPA2 210, 407-823-2214
http://www.cohealth.ucf.edu/health.pro/
Undergraduate Program Director: Steve Shideler;
E-mail: cardioinfo@mail.ucf.edu

Admission Requirements

- Limited Access

Acceptance to the university does not necessarily constitute admission to the upper division cardiopulmonary sciences program.
- Separate Application to the limited access program must be made directly to the program prior to March 1st of the year admission is sought.
- Application to the University must also be submitted by the program deadline of March 1st. Acceptance to UCF is necessary before acceptance to the Cardiopulmonary Sciences program can occur.
### UCF Degree Programs

This limited access program is work-intensive and courses include clinical practice in a variety of health care settings. Due to this it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

Once application is complete, including supporting documentation, students will be notified for a personal interview with program faculty.

Student must complete all general education, foreign language, and program admission prerequisites by the end of Spring Semester before starting the program.

All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C”.

A one page statement of intent for entry into the profession must be included with the program application. Typical papers are single spaced and approximately 500 words in length. Candidate should reflect on their reasons for wishing to become a respiratory care professional and their feelings concerning their recent site visit to a respiratory or cardiopulmonary department.

Applicants are required to complete a BCLS (advanced CPR) course offered by American Heart Association (AHA) or AHA approved provider of BCLS training specifically designed for health care providers prior to their admission to the limited access cardiopulmonary sciences program.

The limited access portion of the cardiopulmonary sciences program has a requirement for all students to submit a criminal background check prior to the scheduling of a personal interview. This requirement mirrors clinical affiliates' need to guarantee patient safety by screening students prior to providing them access to their patient populations.

The practice of respiratory care can be a physically challenging experience. Students must possess a level of visual acuity, auditory perception, and motor coordination necessary to participate fully in this strenuous patient care centered program. Specific questions about the physical requirements for this program and professional duties should be directed to the Program Director.

This department will continue to accept Associate in Arts (AA) and Associate in Science (AS) transfers, but those students admitted with only the AS degree will need to complete the UCF General Education requirements before they can be actively considered for admission to this limited access program. Students should seek advisement from the program as soon as they declare Cardiopulmonary Sciences as their major so that they are kept abreast of current articulation activity.

**Limited-Access Program:** A total of 20 UCF undergraduate students are admitted each fall semester for the limited access Cardiopulmonary Sciences program.

**RRT-Transfer Option Program:** Registered Respiratory Therapists (RRT’s) applying for the RRT-Transfer Option Program will be admitted on a space available basis. These individuals have a separate application process and are not counted as part of the regular Limited Access Cardiopulmonary Sciences class. For more information, please see below: “RRT-Transfer Option Program.”

**Degree Requirements**

- Students who are pending Cardiopulmonary Sciences and are admitted to the program must adopt the most current catalog
- Students should complete the UCF General Education, Foreign Language, CLAST, and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Cardiopulmonary Sciences Program
- UCF Residency Requirement: 32 hours
- 25% of course work must be completed in residency at UCF
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

#### 1. UCF General Education Program (36±2 hrs)

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural Historical Foundations</td>
<td>9 hrs</td>
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<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
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<tr>
<td>Select MAC 1105</td>
<td></td>
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<tr>
<td>Select STA 2023</td>
<td></td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>8 hrs</td>
</tr>
<tr>
<td>Select BSC 2010C</td>
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<tr>
<td>Select CHM 1032 and lab</td>
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</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>BSC 2010C Biology I</td>
<td>GEP</td>
</tr>
<tr>
<td>MCB 2004C Microbiology</td>
<td>4 hrs</td>
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<tr>
<td>ZOO 3733C Human Anatomy*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C Human Physiology*</td>
<td>4 hrs</td>
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<tr>
<td>CHM 1032AL Chemistry for Health Sciences or higher level (with lab)</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2053C College Physics or higher level (with lab)</td>
<td>4 hrs</td>
</tr>
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</table>

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

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>RET 3025C Intro. to Respiratory Care</td>
<td>4 hrs</td>
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<tr>
<td>RET 3484C Cardiopulmonary Physiology</td>
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<tr>
<td>HSC 4555 Pathophysiologic Mechanisms</td>
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<td>HSC 4158 Medical Pharmacology I</td>
<td>2 hrs</td>
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<td>RET 4503 Chest Medicine</td>
<td>3 hrs</td>
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<td>RET 4244 Life Support Systems</td>
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<tr>
<td>RET 4353C Respiratory Clinical Assessment</td>
<td>3 hrs</td>
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<tr>
<td>RET 3264C Mechanical Ventilation</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4159 Medical Pharmacology II</td>
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<tr>
<td>RET 4414C Pulmonary Function Studies</td>
<td>4 hrs</td>
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<tr>
<td>RET 3174 Pediatric Respiratory Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RET 3874 Clinical Practice I</td>
<td>5 hrs</td>
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<tr>
<td>RET 4284 Cardiopulmonary Diagnostics I</td>
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<tr>
<td>RET 4715 Neonatal Medicine</td>
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<tr>
<td>RET 4034 Problems in Patient Management.</td>
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<td>RET 3875 Clinical Practice II</td>
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<tr>
<td>RET 4285 Cardiopulmonary Diagnostics II</td>
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<tr>
<td>RET 4934 Selected Topics in Respiratory Care</td>
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<tr>
<td>RET 4876 Clinical Practice III</td>
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<tr>
<td>RET 4536 Cardiopulmonary Rehabilitation</td>
<td>3 hrs</td>
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#### 4. Upper Division Restricted Electives (3 hrs)

The Cardiopulmonary Sciences program allows students in the traditional limited access program 3 credit hours of 3000-4000 level restricted elective courses with the approval of the program director. Any course or courses used to fulfill the restricted elective requirement must be passed with a grade of “C” (2.0) or better to be counted toward total program credit hours.

#### 5. Departmental Exit Requirements (127 hrs)

Cardiopulmonary Sciences GPA requirement minimum 2.5 overall required for admission and graduation.

#### 6. Electives (none)

#### 7. Foreign Language Requirements (0-8 hrs)

**Admissions:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

#### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 32 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

**Total Semester Hours Required** 127 hrs

**Related Programs:** Radiologic Sciences, Nursing, Physical Therapy, Health Services Administration, Aging Studies Certificate
Related Minors: Health Services Administration, Health Sciences, Molecular Biology & Microbiology, Biology, Chemistry

RRT-Transfer Option Program:
The UCF Cardiopulmonary Sciences program maintains an active RRT-Transfer Option Program open only to Registered Respiratory Therapists (RRT) and registry eligible respiratory therapists (new respiratory care graduates from an accredited respiratory care program). This program allows working respiratory care professionals to attend UCF and gain a baccalaureate degree in Cardiopulmonary Sciences. To facilitate this process, transfer-credit by examination is available for Registered Respiratory Therapists for 26 credits of course work. Credit will be awarded by the Cardiopulmonary Sciences faculty when students demonstrate advanced knowledge and competencies beyond the level required for entry into the profession. This may be demonstrated by successful completion of the two part registry examination given by the National Board for Respiratory Care (NBRC). Only graduates of an accredited institution and program are eligible for the NBRC credentials. Students who successfully complete these requirements will have validated the knowledge and clinical competencies and will be awarded credit in their final semester with grades of "S" recorded in their transcripts. For an application and information regarding the curriculum, please contact: cardioinfo@mail.ucf.edu.

Community College Equivalents

College Algebra (MAC 1105) or (higher level) 3 hrs
Statistics (STA 2023) or (higher level) 3 hrs
College Physics I (PHY 1007/L) or (PHY 1053/L) or (higher level) 3 hrs
General Chemistry with Lab (CHM 1031/L) or (higher level) 4 hrs
Biol I with Lab (BSC 1010/L) or (higher level) 4 hrs
General Microbiology (MCB 2010C) or (MCB 2004C) or (MCB 2020/L) or (PHA 2751) 4 hrs
Human Anatomy and Physiology I & II (BSC 2093C or (PHA 2751) 4 hrs

Program Academic Learning Compacts

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

Equipment Fee

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

Tentative Course Schedule for Entering Freshmen

Freshman Year

Fall
ENC 1101 3 hrs
HSC 2000 3 hrs
BSC 2010C 4 hrs
CHM1032 and lab 3 hrs
MAC 1105 3 hrs

Sophomore Year

Fall
PHY 2053C 4 hrs
ZOD 3733C 4 hrs
EHS 2001 or HUM 2001 3 hrs
2320 or AMH 2020 3 hrs
STA 2023 3 hrs

Junior Year

Fall
RET 3026C 4 hrs
Upper division elective 3 hrs
HSC 4565 3 hrs
HSC 4159 3 hrs
RET 3484C 4 hrs

Summer

RET 4441C 3 hrs
RET 3264C 3 hrs
RET 3874 5 hrs

Senior Year

Fall
RET 4284 3 hrs
RET 3875 3 hrs
RET 4715 3 hrs
RET 4034 3 hrs

Minor

none

Accreditation

Upon completion of the undergraduate program, the baccalaureate individual will possess basic and advanced level skills and should be prepared to assume future leadership roles within the profession. Graduates will be prepared to become Registered Respiratory Therapists through the National Board for Respiratory Care (NBRC) and obtain licensure by the State of Florida. The Cardiopulmonary Sciences program is accredited by the Committee on Accreditation for Respiratory Care (CoARC) in conjunction with CAAHEP of the American Medical Association.

CHEMISTRY (B.S.)

College of Sciences

Department of Chemistry, CH 117, 407-823-2246
http://www.cos.ucf.edu/chemistry
E-mail: chemstaf@mail.ucf.edu
Contact: Pedro Patino

Admission Requirements

none

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.
■ Co-op or internship credit cannot be used in the major
■ Students should consult with a departmental advisor
■ Departmental Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
■ AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major: CHM 2045C, CHM 2046L, CHM 2210, CHM 2211, MAC 2311, MAC 2312, PHY 2045L, and PHY 2048L. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses
■ Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college
■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36+3 hrs)

(Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)

A. Communication Foundations
1. Select ENC 1101 and ENC 1102 6 hrs
2. Select ENC 1103 or ENC 1104 3 hrs

B. Cultural and Historical Foundations
1. Select ECO 2013 3 hrs

C. Mathematical Foundations

D. Social Foundations
1. Select STA 2023 3 hrs

E. Science Foundations
1. Select PHY 2045 & L (PR: MAC 2311) 4 hrs
2. Select MAC 2312 4 hrs

2. Common Program Prerequisites (22 hrs)

CHM 2045C*       Chem Fund I 4 hrs
CHM 2046 & L Chem Fund II & Lab 4 hrs
CHM 2210 Organic Chem. I 4 hrs
CHM 2211 Organic Chem. II 4 hrs
MAC 2311 Calculus w Analytic Geometry I GEP
MAC 2312 Calculus w Analytic Geometry II 4 hrs
PHY 2048 & L Physics Engr. & Sci. I & Lab GEP
PHY 2049 & L* Physics Engr. & Sci. II & Lab 4 hrs

*See Transfer Notes for possible substitutes

3. Core requirements (40 hrs)

MAC 2313 Calculus w Analytic Geometry III 4 hrs
CHM 2211L Organic Lab Techniques I 2 hrs
CHM 3212L Organic Lab Techniques II 2 hrs
CHM 3120 & L Analytical Chemistry & Lab 4 hrs
CHM 3410 Physical Chemistry I 4 hrs
CHM 3411 Physical Chemistry II 3 hrs
CHM 3411L Physical Chemistry Lab 2 hrs
CHM 4610 Inorganic Chemistry 3 hrs
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 4610L</td>
<td>Inorganic Chemistry Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>Adv Analytical Lab Technique</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4130L</td>
<td>Adv Analytical Chem Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4914C</td>
<td>Undergraduate Research Methods</td>
<td>1 hrs</td>
</tr>
<tr>
<td>CHM 4912</td>
<td>Undergraduate Research</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 4930</td>
<td>Chemistry Seminar</td>
<td>1 hrs</td>
</tr>
<tr>
<td>PHY 2048 &amp; L</td>
<td>Physics Engr. &amp; Sci. I &amp; Lab</td>
<td>CPP</td>
</tr>
<tr>
<td>PHY 2049 &amp; L</td>
<td>Physics Engr. &amp; Sci. II &amp; Lab</td>
<td>CPP</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

Select one of the following:

- STA 1090C: Statistics Using Excel
- STA 2023: Statistical Methods I

*See Transfer Notes for possible substitutes*

### 4. Upper Division Restricted Electives

- **(6 hrs)**
  - BCH 4054: Biochemistry II
  - CHM 5225: Advanced Organic Chem I
  - CHM 4220: Organic Chem III
  - CHM 5235: Applied Molec Spectroscopy
  - CHM 5580: Advanced Physical Chem
  - CHM 5450: Polymer Chemistry
  - CHM 5451C: Techniques in Polymer Chemistry
  - CHS 4200: Concepts in Industrial Chem
  - CHS 4615: Environmental Chem

### 5. Directed Electives

- **(3 hrs)**
  - Course will be selected with the aid of a departmental advisor and approved in advance by the department chair. Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

### 6. Departmental Exit Requirements

- Complete a minimum of 24 Chemistry credits at UCF
- Achieve at least a “C” GPA (2.0) in all UCF Chemistry courses and an overall 2.0 GPA in all Chemistry courses used to satisfy this requirement
- Grades earned in CHM 4914C, CHM 4930 and CHM 4912 will not be applied in the determination of the Chemistry GPA
- Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Computer competency met by STA 1060C or by departmental assessment
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF
- Before applying to graduate, the CLAST must be completely satisfied.

### 7. Foreign Language Requirements

- **(0-8 hrs)**
  - Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
  - Graduation: none

### 8. Electives

- **(variable)**
  - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Related Programs:
- Forensic Science, Molecular and, Microbiology, Science Education

### Plan of Study:

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

### Summer

- Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
- Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

### Equipment Fee

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

### Acceptable Substitutes

- For alternate, new or more appropriate selections.

### 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.

### CINEMA STUDIES TRACK in FILM

- See Film - Cinema Studies Track
CIVIL ENGINEERING (B.S.C.E.)

College of Engineering and Computer Science
Civil, Environmental, and Construction Engineering Department (CECE)
ENG 211, 407-823-2841; Fax: 407-823-3315
http://www.cece.ucf.edu

Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-mail: cpohl@mail.ucf.edu; Associate Chair and Civil Program Director: F. Necati Catbas, Ph.D., E-mail: catbas@mail.ucf.edu

Admission Requirements: none

Degree Requirements:

1. Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major.

2. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program for Engineering Students

The UCF General Education Program (GEP) is described in the Catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours.

Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the separate requirements for Civil, Environmental, and Construction Engineering.

The UCF General Education Program (GEP) is described in the Catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours.

Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the separate requirements for Civil, Environmental, and Construction Engineering.

A. Communication Foundations
1. ENC 1101 & ENC 1102
2. Prefer SPC 1603

B. Cultural and Historical Foundations
1. Select two courses from Historical Foundations

C. Mathematical Foundations
1. Select MAC 2311 (PR: MAC 1114 and MAC 1140)
2. Select STA 3023 (PR: MAC 2312)

D. Social Foundations
1. Select ECO 2013 or ECO 2023.
2. ANT 2000, PSY 2120, or SYG 2000.

E. Science Foundations
2. Prefer GEO 1200

2. Common Program Prerequisites (CPP’s) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Sciences courses.

CHM 2045C/45L Chemistry Fundamentals I with Lab 4 hrs or CHS 1440 Fund of Chemistry for Engineers
CHM 2040C and CHM 2041C

MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs

PHYS 2048/48L Physics for Engineers & Scientists I GEP
PHYS 2049/49L Physics for Engineers & Scientists II 4 hrs

ENC 1101 Composition I GEP
ENC 1102 Composition II GEP

Science courses
Humanities Courses
Social Science Courses

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

3. Courses Required for the Major (62 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the technical elective courses listed in 4. below and with the senior design courses listed in 5. below.

Independent study courses generally do not satisfy major requirements. A “C” (2.0) or better is required for those courses in section 3. marked with an asterisk (*).

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr

CHM 2045C Chemistry Fundamentals I CPP
CHM 2046 Chemistry Fundamentals II 3 hrs
EGN 3310E Engineering Analysis - Statics 3 hrs
EGN 3321E Engineering Analysis - Dynamics 3 hrs
EGN 3331E Mechanics of Materials 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3501E Civil Engineering Materials 3 hrs
EGN 3573E Principles of Electrical Engineering 3 hrs
EGN 3613E Engineering Economic Analysis 2 hrs
CCE 4003 Intro to the Construction Industry 3 hrs
ENV 3001 Intro to Environmental Engineering 3 hrs
STA 3023 Probability & Statistics for Engineers GEP
CEG 4011C Geotechnical Engineering I 4 hrs
CES 4100C Structural Analysis I 4 hrs
CES 4605 Steel Structures 3 hrs
or CEG 4702 Reinforced Concrete Structures
CWR 3201 Engineering Fluid Mechanics 3 hrs
CWR 4101C Hydrology 3 hrs
CWR 4203C Hydraulics 3 hrs
ENV 4561 Environment Engrg-Process Design 4 hrs
SUR 2101C Surveying 3 hrs
TTE 4004 Transportation Engineering 4 hrs

4. Approved Technical Electives (3 hrs)

Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE Web site and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

5. Departmental Graduation Requirements (6 hrs)

Approved CE Project Design Course I
Approved CE Project Design Course II 3 hrs

Civil engineering students must take the Fundamentals Exam during their senior year.

Earn a minimum graduating GPA of 2.25 in the major courses from item 3. above, the technical electives in item 4. above, and the approved CE project design courses.

6. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. University Minimum Graduation Requirements

A. 2.0 UCF GPA.
B. 60 semester hours earned after any CLEP award.
C. 48 semester hours of upper division credit completed.
D. 30 of the last 36 hours of course work must be completed in residency at UCF.
E. 25% of course work must be completed in residency at UCF.
F. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
G. Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Construction Engineering, Environmental Engineering

Related Minors: Mathematics, Engineering Leadership

Transfer Notes:

Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Program Academic Learning Compacts

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

Equipment Fee

Full-time Student ........................................ $90 per term
Part-time Student .......................................... $45 per term
University of Central Florida

UCF Degree Programs

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Civil Engineering - 128 semester hours required

FIRST YEAR
Fall 14 hrs1 1 Spring 14 hrs1 1
*ENC 1101 English Comp I 3 *ENC 1102 English Comp II 3
*MAC 2311 Calc w/Analy Geo I 4 *MAC 2312 Calc w/Analy Geo II 4
*ANTIPSSYVG 4 *PHY 2080L Phys Engr I w/lab 4
or ECO 2033 Microeconomics 3 or ECO 2034 Microeconomics 3
EGN 106C Intro To Eng Prof 1

SECOND YEAR
Fall 14 hrs1 1 Spring 16 hrs1 1
*MAC 2313 Calc w/Analy Geo III 4 *MAP 2302 Diff Equations 3
*CHM 2045C/IL Chem Funds I 4 *CHM 2046 Chemistry Funds II 3
*HUM/AMH/EUH - I 3 *PHY 2040L Phys Engr II w/lab 4
EGN 3310 Engr Anal - Statics 3 *GEO/GLY/BSC 3
or ECO 2032 Microeconomics 3
EGN 3221 Engr Anal-Dynamic 3

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

THIRD YEAR
Fall 16 hrs Spring 16 hrs1 1
CWR 3201 Eng Fluid Mechanics 3 CWR 4101C Hydrology 3
CEE 4303 Intro to Const Indus 3 CWR 4203C Hydraulics 3
*SPO 1603 Tech Presentations 3 EGN 3373 Engr Method 3
CES 4100C Structural Analysis I 3 CES 4100C Structural Analysis II 3
*HUM/AMH/EUH - II 3
STA 3032 Prob/Stats for Engrs 3 TTE 4004 Transportation Eng 4

FOURTH YEAR
Fall 14 hrs Spring 15 hrs
ENV 4561 Env Eng-Proc Design 4 Approved Project Design Course 3
CEG 4011C Geotechnical Engr 4 CES 4702 Reinfrd Concrete Strctrs 3
CES 4605 Steel Structures 3 or Technical Elective 3
*SUR 2101C Surveying 3 CWR 3901C Civil Engrr Materials 3
Approved Project Design Course 3 EGN 3343 Thermodynamics 3
*HUM/AMH/EUH - Course Elective 3

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GE in the Catalog for further information.
2. Either CES 4605 Steel Structures or CES 4702 Reinforced Concrete Structures is required for all students.
3. EGN 106C and EGN 107C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.
4. Students must earn a minimum grade of “C” (2.0) in EGN 3310 or its equivalent before registering for subsequent courses.
5. Students must earn a minimum grade of “C” (2.0) in EGN 3331 or its equivalent before registering for subsequent courses.

BS to PhD Program
The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

Communication Sciences and Disorders (B.A., B.S.)
College of Health and Public Affairs
Department of Communication Sciences & Disorders
HPA2 101
http://www.cohpa.ucf.edu/comdis/
Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798, E-mail: jschwart@mail.ucf.edu

Admission Requirements
none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours.
- Students must earn at least a "C" (1.75) in each required course, restricted elective, and B.A./B.S. elective.
- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major.

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

2. Common Program Prerequisites
   none

3. Core Requirements (60 hrs)
   A. DEP 2004 Developmental Psychology
   B. SPA 3471 Communication Disorders in Literature and Media
   C. SPA 3101 Psychological Bases of Speech and Hearing
   D. SPA 3011 Cognitive Psychology
   E. SPA 312L Speech Perception
   F. SPA 4475 Speech Disorders Across the Lifespan
   G. SPA 4803 Audiology
   H. SPA 4467 Multicultural Aspects: Communication
   I. SPA 4803 Research Methods in Communication Sciences

4. Statistics Requirement (3 hrs)
   Students have two options for completing this requirement:
   Option 1:
   STA 2023 Statistical Methods I and
   STA 4163 Statistical Methods II or
   Option 2:
   STA 2014C Principles of Statistics (GEP) or
   STA 2023 Statistical Methods I and
   SPA 4803 Research Methods in Communication Sciences

5. Upper Division Restricted Electives (6 hrs)
   An additional six credit hours of upper division coursework in Communication Sciences and Disorders selected in consultation with an academic advisor.

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6. Electives (6 hrs min)
B.A./B.S. Option.
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

7. Foreign Language Requirements
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.
Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can also be used to fulfill this requirement.

8. Departmental Exit Requirements
Students must achieve a minimum grade of “C-” (1.75) in all required courses, restricted electives, and B.A./B.S. electives in the department.
Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

9. University Minimum Exit Requirements (120 hrs)
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Health Services Administration, Physical Therapy, Psychology, Social Work, Exceptional Student Education, Early Childhood Education

Related Minors: American Sign Language and Deaf Studies, Exceptional Education, Early Childhood Education, Aging Studies, Health Services Administration, Interpersonal Communication, Linguistics, Psychology

Transfer Notes:
- “D” (1.0) grades are not accepted
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

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

Equipment Fee
- Full-time Student ........................................... $35 per term
- Part-time Student ..................................... $17.50 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>PSY 212</td>
<td>PSC 1112 or PHY 2053C</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>ECO 2013 or ECO 2023</td>
</tr>
<tr>
<td>One Course: ARH 2050 or ARH 2051, or MUL 2010, or ARH 2055, or MUL 2010, or THE 2000, or REL 2300, or PHI 2010, or LIT 2110, or LIT 2120, or FIL 1000</td>
<td>EUH 2000 or HUM 2210 or ARH 2010 or DEP 2004</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
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<tr>
<td>15 hrs</td>
<td>15 hrs</td>
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Sophomore Year

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<tr>
<th>Fall</th>
<th>Spring</th>
<th>16/17 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>3 SPA 3112 or SPA 3112L</td>
<td>4</td>
</tr>
<tr>
<td>EUH 2000 or HUM 2230 or ARH 2020</td>
<td>3 Restricted Elective</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1106 or MAC 1105</td>
<td>3 EAE 3703, or EDF 3303</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3 EEX 4601, or EEC 4604, or SPA 3472</td>
<td>3</td>
</tr>
<tr>
<td>SPC 3471</td>
<td>3 STA 2014C or STA 2023</td>
<td>3</td>
</tr>
<tr>
<td>15 hrs</td>
<td>18 hrs</td>
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Summer

<table>
<thead>
<tr>
<th>Foreign Lang. II (B.A.)* or Health Sciences (B.S.) elective</th>
<th>3/4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4 hrs</td>
<td></td>
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</table>

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 3716</td>
<td>13 hrs</td>
</tr>
<tr>
<td>SPA 3011 and SPA 3011L</td>
<td>3 SPA 3123 and SPA 3123L</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>3 SPA 4476</td>
</tr>
<tr>
<td>STA 4163 or SPA 4803</td>
<td>3 SPA 3104</td>
</tr>
<tr>
<td></td>
<td>13 hrs</td>
</tr>
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</table>

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 4032</td>
<td>15 hrs</td>
</tr>
<tr>
<td>SPA 4400</td>
<td>3 SPA 4321</td>
</tr>
<tr>
<td>LIN 4711 and 4711L</td>
<td>3 SPA 4501** or SPA 4948</td>
</tr>
<tr>
<td>SPA 4056C</td>
<td>4 Restricted Elective***</td>
</tr>
<tr>
<td></td>
<td>15 hrs</td>
</tr>
</tbody>
</table>

*Students taking American Sign Language (ASL) to satisfy BA foreign language requirement must complete three semesters of ASL.
**Students must apply and be selected to enroll in SPA 4501L.
***Consult department for list of restricted electives.

Note: Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master’s degree in Communication Sciences and Disorders. Minimum requirements for entry into the graduate program typically include at least a 3.0 GPA in the last 60 hours of undergraduate course work in the major, a combined score of at least 1000 on the GRE, and at least 400 on the verbal section of the GRE. Entry level positions to provide speech and language services are available in some Florida school districts. Under the 25 Rule, individuals employed in these positions have two years from the date of employment to enroll in a master’s program in Communication Sciences and Disorders and five years to complete the degree.

COMPUTER ENGINEERING (B.S.P.E.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr., Rm 246, 407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Contacts: Dr. Samuel Richie, HEC 245E; Charlese Hilton-Brown, HEC 245G

Admission Requirements: none

Degree Requirements
Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

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

A. Communication Foundations
1. ENC 1101 & ENC 1102
2. Prefer SPC 1603

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

C. Mathematical Foundations
1. Select MAC 2311 (PR: MAC 1114 and MAC 1140)
2. Select STA 2023 (PR: MAC 2212)
3. 7 hrs
2. Common Program Prerequisites (CPP's) (19 hrs)

These courses are specifically required for all engineering students.

2. ANT 2000, PSY 2012, GLY 2049/49L* Phys. for Engrs & Scientists I

3. Courses Required for the Engineering Core (8 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the course requirements for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below.

3. EGN 3321 Engr Anal - Dynamics 3

4. Courses Required for the Major (48 hrs)

4. COP 3502C Computer Science I 3

5. Approved Technical Electives (9 hrs)

Technical electives are available in the BSCEP program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

5. EEL 4768C Computer Architecture 4

6. Departmental Graduation Requirements (6 hrs)

6. COP 3223 Intro to Comp Networks 3

7. Foreign Language Requirements (0-8 hrs)

CECS encourages all engineering students to take the Fundamentals Exam during EEL 4914 Senior Design I 3 hrs

7. Graduation: none

8. University Minimum Graduation Requirements

8. EEL 3004 Electrical Networks 3

UCF Degree Programs

D. Social Foundations 6 hrs

1. Prefer ECO 2013 or ECO 2023

2. ANT 2000, PSY 2012, or SYG 2000

E. Science Foundations 7 hrs

1. Select PHY 2048/2048L (PR: MAC 2311)

2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310 3 hrs

2. Foreign Language Requirements (0-8 hrs)

2. PHY 2049/49FL* 4 hrs

3. Courses Required for the Engineering Core (8 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the course requirements for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

3. EGN 3310 Engr Anal - Statics 3

4. Courses Required for the Major (48 hrs)

4. EEL 3801 Computer Organization 3

5. Approved Technical Electives (9 hrs)

Technical electives are available in the BSCEP program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

5. ENC 1101 Composition I GEP

6. Departmental Graduation Requirements (6 hrs)

6. ENC 1102 Composition II GEP

7. Foreign Language Requirements (0-8 hrs)

7. ENC 1306 EES 1307C Electronics I 4 hrs

8. University Minimum Graduation Requirements

8. EEL 3004 Electrical Networks 3

Related Programs:

Program Academic Learning Compacts

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

Equipment Fee

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

Required:

- Computer Engineering - 128 semester hours required

FIRST YEAR

Fall 14 hrs 1,2 Spring 15 hrs 1,3

*Historical Foundations 1a 3 *MAC 3311 Calc with Analytic Geo I 4

GLY/GEO/BSC 3 *MAC 3311 Calc with Analytic Geo I 4

*SCI 1072 Tech Presentations 3 *MAP 2302 Diff Equations 3

EGN 1006C Intro to the Engineering Profession 1 hr

EGN 1007C Engineering Concepts & Methods 1 hr

EGN 3310 Engr Anal - Statics 3 hrs

EGN 3321 Engr Anal - Dynamics 3 hrs

or EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

COT 3100 Discrete Structures 3 hrs

COP 3502C Computer Science I 3 hrs

COP 3503C Computer Science II 4 hrs

COP 3330 Object Oriented Prog 3 hrs

COP 4331C Processes Object Oriented SW Dev 4 hrs

EEL 3004 Electrical Networks 3 hrs

EEL 3123C Networks and Systems 4 hrs

EEE 3307C Electronics I 4 hrs

EEE 3342C Digital Systems 3 hrs

EEL 3801 Computer Organization 3 hrs

EEL 4767C Embedded Systems 4 hrs

EEL 4768C Computer Architecture 4 hrs

EEL 4781 Computer Comm Networks 3 hrs

COP 4600 Operating Systems 3 hrs

5. COT 3002 Intro to Discrete Structures 3 hrs

SECOND YEAR

Fall 17 hrs 1,3 Spring 16 hrs 1,2

*MAC 3311 Calc with Analytic Geo I 4 *MAP 2302 Diff Equations 3

*SCI 1072 Tech Presentations 3 *SCI 1330 Software Engineering 3

EGN 1006C Intro to the Engineering Profession 1 hr

EGN 1007C Engineering Concepts & Methods 1 hr

EGN 3310 Engr Anal - Statics 3 hrs

COT 3100 Intro Discrete Structures 3 hrs

or EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

COT 3100 Discrete Structures 3 hrs

COP 3502C Computer Science I 3 hrs

COP 3503C Computer Science II 4 hrs

COP 3330 Object Oriented Prog 3 hrs

COP 4331C Processes Object Oriented SW Dev 4 hrs

EEL 3004 Electrical Networks 3 hrs

EEL 3123C Networks and Systems 4 hrs

EEE 3307C Electronics I 4 hrs

EEE 3342C Digital Systems 3 hrs

EEL 3801 Computer Organization 3 hrs

EEL 4767C Embedded Systems 4 hrs

EEL 4768C Computer Architecture 4 hrs

EEL 4781 Computer Comm Networks 3 hrs

COP 4600 Operating Systems 3 hrs

5. COT 3100 Intro to Discrete Structures 3 hrs

THIRD YEAR

Fall 16 hrs 3 Spring 15 hrs 3

COP 3502C Computer Science I 3 hrs

COP 3503C Computer Science II 4 hrs

EEL 3307C Electronics I 4 hrs

EEL 4767C Embedded Systems 4 hrs

EEL 3321 Engr Anal - Dynamics 3 hrs

or EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

STA 3032 Prob/Stats for Engineers 3

4. COP 3330 Obj Oriented Prog 3 hrs

3. Social Foundation 3

2. ENC 1101 Composition I GEP

1. History 3

2. Cultural Foundation 3

3. ECS 1310C Networks and Systems 4

4. ECE 3342C Digital Systems 3

5. ECE 4914 Senior Design I 3 hrs

6. COT 3100 Discrete Structures 3 hrs

FOURTH YEAR

Fall 12 hrs 1,3 Spring 16 hrs 1,3

EEL 4768C Computer Architecture 4 hrs

EEL 4914 Senior Design I 3 hrs

or ECE 2013 Macrooeconomics 3

3. EEN 3310 Engr Anal - Statics 3 hrs

2. ENS 1330 Software Engineering 3

1. History 3

2. Cultural Foundation 3

3. EEL 4914 Senior Design I 3 hrs

4. ECE 2013 Microeconomics 3

2. EEN 3310 Engr Anal - Statics 3 hrs

1. History 3

2. Cultural Foundation 3

3. EEL 4914 Senior Design I 3 hrs

4. ECE 2013 Microeconomics 3

2. EEN 3310 Engr Anal - Statics 3 hrs

1. History 3

2. Cultural Foundation 3

3. EEL 4914 Senior Design I 3 hrs

4. ECE 2013 Microeconomics 3

2. EEN 3310 Engr Anal - Statics 3 hrs

1. History 3

2. Cultural Foundation 3

3. EEL 4914 Senior Design I 3 hrs

4. ECE 2013 Microeconomics 3
Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. Assumes knowledge of a higher level programming language (C preferred).
3. ENC 100C and ENC 100T are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5: Approved Technical Electives.

Accelerated BS/MS Degree Program
The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of the Catalog for more information.

COMPUTER SCIENCE (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr., Rm 246,
407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Contacts: Dr. Ali Orooji, HEC 245D;
Charlese Hilton-Brown, HEC 245F

Foundation Examination
Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem-solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science Web site for more information about the foundation exam.

Degree Requirements
 Students must earn at least a 2.0 in each course in 2-5
 Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam
 Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF
 18 of the 24 Residency hours must be at the 4000-5000 level

1. UCF General Education Program
   (36+3 hrs)
   A. Communication Foundations
      1. ENC 1101 & ENC 1102 9 hrs
      2. Prefer SPC 1603
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      1. Select MAC 2311 (PR: MAC 1114 and MAC 1140) 4 hrs
      2. Select STA 2023 3 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      8 hrs

2. Common Program Prerequisites
   (15 hrs)
   COP 3223 C Programming 3 hrs
   MAC 2311 Calculus with Analytic Geom I GEP
   MAC 2312 Calculus with Analytic Geom II 4 hrs
   PHYS 2046 & L Physics for Engr. & Sci. I & Lab GEP
   PHYS 2047 & L Physics for Engr. & Sci. II & Lab 4 hrs
   Select two science courses designed for majors 4 hrs + GEP
   Examples of acceptable science courses include:
   BSC 2010C Biology I
   BSC 2011C Biology II
   CHM 2045C Chemistry Fund I
   CHM 2046 Chemistry Fund II
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Basic Core Requirements
   (25 hrs)
   COP 3520 Intro to OO Programming 3 hrs
   COP 3502C Computer Science I 3 hrs
   COP 3503C Computer Science II 4 hrs
   STA 2023 Statistical Methods I GEP
   ENC 3241 Technical Report Writing 3 hrs
   EEL 3801 Computer Organization 3 hrs
   COT 3100C Intro to Discrete Structures 3 hrs
   CIS 3360 Security in Computing 3 hrs
   COP 3402 Systems Software 3 hrs
   COT 3960 Found. Exam (PR: COT 3100C & COP 3502C) 0 hrs

4. Advanced Core
   (20 hrs)
   Students must maintain at least a 2.5 GPA in the following courses
   Only the highest grade is used in the calculation.
   COP 4331C Processes for OO Software Development 4 hrs
   EEL 4768C Computer Architecture 4 hrs
   COP 4210 Discrete Comp Structures 3 hrs
   COP 4020 Programming Languages I 3 hrs
   COP 4600 Operating Systems 3 hrs
   COT 4810 Topics in Computer Science 3 hrs

5. Restricted Electives
   (15 hrs)
   4000-5000 level  Computer Science courses 9 hrs
   Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
   4000-5000 level mathematics or statistics 6 hrs
   courses from: STA, MAP, MAA, MAD, MAS prefixes and MAC 2313, MAP 2302, MAS 3105, and MAS 3106. No independent study hours, internship, or cooperative education hours are allowed.

6. School Exit Requirements
   Complete an exit survey
   Computer Competency met by completion of major

7. Foreign Language Requirements
   (0-4 hrs)
   Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation: Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives
   (variable)
   Select primarily from upper level courses, with the student’s advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   12 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120 hrs

Related Programs: Computer Engineering, Information Technology, Management Information Systems
Related Minors and Certificates: Information Technology, Computer Science, Intelligent Robotic Systems, Secure Computing and Networks, Interdisciplinary Informatics Technology

Transfer Notes:
 Courses taken at community colleges do not substitute for Upper Division courses
 Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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

Equipment Fee
 Full-time Student ............................................$90 per term
 Part-time Student .............................................$45 per term
UCF Degree Programs

FIRST YEAR

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<th>Term</th>
<th>Fall</th>
<th>Spring</th>
<th>13 hrs</th>
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<tr>
<td>ENC 1101 English Comp I</td>
<td>3</td>
<td>ENC 1102 English Comp II</td>
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<td>SPC 1603 Tech Presentations</td>
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<td>MAC 2311 Calc with Analy</td>
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<td>COP 3102C Intro. Discrete Structures</td>
<td>3</td>
<td>COP 3502C Comp Science I</td>
<td>3</td>
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<tr>
<td>COP 3223 C Programming</td>
<td>3</td>
<td>EEL 3801 Comp Organization</td>
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<td>SUMMER</td>
<td>MAC 2312 Calc with Analy Geo II</td>
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<td>COP 3330 Intro to OOP/Java</td>
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SECOND YEAR

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<tr>
<th>Term</th>
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<td>COP 4331C Processes for OO Dev</td>
<td>4</td>
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<tr>
<td>COP 3503C Comp Science II</td>
<td>4</td>
<td>ENC 3241 Tech Report Writing</td>
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<tr>
<td>PHY 2048 Physics for Sci w/lab</td>
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<td>PHY 2040 Physics for Sci w/lab</td>
<td>3</td>
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<td>Cultural Foundations</td>
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<td>CIS 3300 Security in Computing</td>
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<tr>
<td>SUMMER</td>
<td>STA 2023 Statistical Methods</td>
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THIRD YEAR

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<tr>
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<td>COP 4600 Operating System</td>
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<tr>
<td>COP 4020 Programming Langs</td>
<td>3</td>
<td>CHM 2045C Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2010C Gen Biology I</td>
<td>4</td>
<td>Math/Stat Restricted Elective</td>
<td>3</td>
</tr>
<tr>
<td>Social Foundations</td>
<td>3</td>
<td>CS Elective</td>
<td>3</td>
</tr>
<tr>
<td>SUMMER</td>
<td>STA 2023 Statistical Methods</td>
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<td>Social Foundations</td>
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FOURTH YEAR

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<tr>
<td>COP 4100 Topics in CS</td>
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<td>CS Elective</td>
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<tr>
<td>CS Elective</td>
<td>3</td>
<td>Multi-Cultural Elective</td>
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<td>Historical Foundations</td>
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<tr>
<td>Free Elective</td>
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<td>Math/Stat Restricted Elective</td>
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Accelerated BS/MS Degree Program

The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to 12 hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of the Catalog for more information.

CONSTRUCTION ENGINEERING (B.S.Con.E.)

College of Engineering and Computer Science
Civil, Environmental, and Construction Engineering Department (CECE)
ENG2 211, 407-823 2841; Fax: 407-823-3315
http://www.cece.ucf.edu

Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-mail: cpolh@ucf.edu
Construction Program Director: Amr A. Oloufa, Ph.D., P.E., E-mail: aoloufa@mail.ucf.edu

Admission Requirements: none

Degree Requirements
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

UCF General Education Program for Engineering Students

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

A. Communication Foundations 9 hrs
1. ENC 1101 & ENC 1102
2. Prefer SPC 1603
B. Cultural and Historical Foundations 9 hrs
1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2120
C. Mathematical Foundations 7 hrs
1. Select MAC 2311 (PR: MAC 1144 and MAC 1140)
2. Select STA 3022 (PR: MAC 2312)
D. Social Foundations 6 hrs
1. Select ECO 2033 or ECO 2023.
E. Science Foundations 7 hrs
1. Select PHY 2048/48L (PR: MAC 2311)
2. Prefer GEO 1200

2. Common Program Prerequisites (CPP’s) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

MAC 2045C/45L Chemistry Fundamentals I with Lab 4 hrs
or CHS 1440 Fund of Chemistry for Engineers or CHM 2040C and CHM 2041C

MAC 2311 Calculus w/Analytic Geometry I GEP
MAC 2312 Calculus w/Analytic Geometry II GEP
MAC 2313 Calculus w/Analytic Geometry III GEP
MAP 2302 Differential Equations 3 hrs
PHY 2048/48L Physics for Engineers & Scientists I GEP
PHY 2048/48L Physics for Engineers & Scientists II GEP
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
HUM 1110 Humanities GEP
HUM 1111 Humanities GEP
SCS 1110 Social Science Courses GEP
SCS 1113 Social Science Courses GEP

3. Courses Required for the Major (62 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do not satisfy major requirements. A “C” (2.0) or better is required for those courses in section 3. marked with an asterisk(*).

EGN 1006 Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
CHM 2045C Chemistry Fundamentals I CPP
CHM 2046 Chemistry Fundamentals II 3 hrs
EGN 3304* Engineering Analysis - Statics 3 hrs
EGN 3321 Engineering Analysis - Dynamics 3 hrs
EGN 3331* Mechanics of Materials 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
ENV 3001 Intro to Environmental Engineering 3 hrs
STA 3032 Probability & Statistics for Engineers 3 hrs
CCE 4813 Mech & Elec Systems for Buildings 4 hrs
CCE 4402 Construction Equip & Productivity 3 hrs
CEN 3501C Civil Engineering Materials 3 hrs
CCE 4004 Construction Methods 3 hrs
CCE 4034 Construction Estimating & Scheduling 3 hrs
CCE 4003 Intro to the Construction Industry 3 hrs
CEG 4011C Geotechnical Engineering I 4 hrs
CES 4100C Structural Analysis I 4 hrs
CES 4702 Reinforced Concrete Structures 3 hrs
or CES 4605 Steel Structures
CWR 3201 Engineering Fluid Mechanics 3 hrs
ACC 2071 Managerial Accounting 3 hrs
SUR 2101C Surveying 3 hrs
TTE 4004 Transportation Engineering 4 hrs

4. Approved Engineering Science Electives (3 hrs)
Engineering Science electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students are encouraged to take EGN 3343 (Thermodynamics), EGN 3373 (Principles of Elect Engr), CWR 4101C (Hydraulics), or CWR 4203C (Hydraulics) as the technical elective. Other courses from the list of approved technical electives may be used with the approval of the department advisor. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

Departmental Graduation Requirements (6 hrs)

CCE 4810C Construction Engr. Design Project 3 hrs
CEG 4801C Geotechnical Engr. Design 3 hrs
Construction engineering students must take the Fundamentals Exam during their Senior year.

Earn a graduating GPA of 2.25 in the major courses from item 3. above, the technical electives in item 4. above, and the approved Const. project design courses.

6. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: None

7. University Minimum Graduation Requirements
   A 2.0 UCF GPA.
   60 semester hours earned after any CLEP award.
   48 semester hours of upper division credit completed.
   30 of the last 36 hours of course work must be completed in residency at UCF.
   25% of course work must be completed in residency at UCF.
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Civil Engineering, Environmental Engineering
Related Minors: Mathematics, Engineering Leadership

Transfer Notes:
   Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
   Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

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

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

Tentative Course Schedule for Entering Freshmen

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Construction Engineering – 128 semester hours required

FIRST YEAR
   Fall 14 hrs Spring 15 hrs
   *ENC 1101 English Comp I  3   *ENC 1102 English Comp II  3
   *MAC 2311 Calc w/Analy Geo I  4   *MAC 2312 Calc w/Analy Geo II  4
   *ANT/PSYSYG 3   *PHY 2048L Phys Engr I w/lab  4
   *ECO 2013 Macroeconomics  3   *GEO GLY/BSC 3
   or ECO 2023 Microeconomics  3   EGN 1006C Intro To Eng Prof  1
   EGN 1006C Intro To Eng Prof  1

SECOND YEAR
   Fall 16 hrs Spring 16 hrs
   *MAC 2313 Calc w/Analy Geo III  4   *MAP 2002 Diff Equations  3
   *CHM 2045L/Chem Funds I  4   *CHM 2046 Chemistry Funds II  3
   *HUM/AMHEUH - I  3   *PHY 2049L Phys Engr II w/lab  4
   EGN 3310 Engr Anal - Statics  3   *HUM/AMHEUH - II  3
   EGN 3613 Eng Econ Anal  3   EGN 3331 Mech of Materials  3
   Summer 9 hrs
   *SPC 1603 Tech Presentations  3
   STA 3032 Prob/Stats Engineers  3
   ENV 3001 Intro to Envirn Eng  3

THIRD YEAR
   Fall 16 hrs Spring 15 hrs
   EGN 3321 Engr Anal-Dynamics  3   Engineering Science Elective  3
   CCE 4003 Intro Constr. Industry  3   CES 4702 Reinforced Concrete  3
   CES 4100C Structural Analysis I  4   CES 4005 Steel Structures  3
   *Cultural/Historical Elective  3   CCE 4004 Construct Methods  3
   CGN 3501C Civil Engng Materials  3   CWR 2101C Surveying  3

FOURTH YEAR
   Fall 15 hrs Spring 12 hrs
   TTE 4004 Transportation Eng  4   CCE 4810C Constr Design Project  3
   CCE 4013 Constr Est & Sched  3   CCE 4402 Constr Equip & Prod  3
   CEG 4011C Geotechnical Engr  3   CEG 4801C Geotech Engr Design  3
   CCE 4813 Mech & Elec Bldgs  3   ACG 2071 Prin Mgrl Accounting  3

Notes:
   1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
   2. Engineering Science Elective may be satisfied by taking either EGN 3343, EGN 3373, CWR 4101C or CWR 4203C; other courses must be approved by the Program Director.
   3. Either CES 4605 Steel Structures or CES 4702 Reinforced Concrete Structures is required for all students.
   4. EGN 1006C and EGN 107C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.
   5. Students must earn a minimum grade of "C" (2.0) in EGN 3310 or its equivalent and EGN 3331 or its equivalent before registering for subsequent courses.

BS to PhD Program
   The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

CRIMINAL JUSTICE (B.A./B.S.)
Department of Criminal Justice and Legal Studies
HPA 311, 407-823-2603
http://www.cohpa.ucf.edu/crim/jus/
E-mail: cjadvise@mail.ucf.edu
Undergraduate Program Director: Mary Ann Eastep

Admission Requirements

Degree Requirements
   Students who change degree programs and select this major must adopt the most current catalog.
   Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
   The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
   Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
   Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program
   (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural Foundations 9 hrs
   C. Mathematical Foundations 6 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites
   (18 hrs)
   CCJ 3024 Criminal Justice System 3 hrs
   CCJ 3014 Crime in America 3 hrs
   CJ 3510 Prosecution and Adjudication 3 hrs
   CCJ 3810 Corrections and Penology 3 hrs
   CJE 4014 Police and Society 3 hrs
   CCJ 4701 Research Methods in Criminal Justice 3 hrs
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
UCF Degree Programs

4. Upper Division Restricted Electives (42 hrs)
   - 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours 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.
   - 15 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

5. Upper Division Unrestricted Electives none

6. Departmental Exit Requirements (120 hrs)
   Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

7. Foreign Language Requirements
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Legal Studies
Related Minors: Legal Studies, Public Administration, Psychology.
Transfer Notes: “D” (1.0) grades are not accepted.

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

Tentative Course Schedule for Entering Freshmen

**Freshman Year**

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<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
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<tr>
<td>ENC 1101</td>
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<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1106 or MAC 1105</td>
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<td>CGS 1000</td>
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<tr>
<td>EUH 2000 or HUM 2210</td>
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<td>PHIL 1001 or MUL 1000</td>
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<td>or AMH 2010</td>
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<td>CJE 4014</td>
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<tr>
<td>CJ 3010</td>
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<td>CCJ 4701</td>
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**Senior Year**

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**CRIMINAL JUSTICE (B.S.)**

**A.S. to B.S. TRACK**

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

**DIGITAL MEDIA (B.A.)**

College of Arts and Humanities
Digital Media, 12461 Research Parkway, 500 OTC
http://www.dm.ucf.edu

Interim Chair: Dr. José Maunez-Cuadra, 407-823-6100

The UCF Digital Media Program allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to:

- Provide a solid foundation in techniques and theory in one focused area of competence.
- Provide a broad understanding of related disciplines including arts, humanities, and technology.
- Provide extended experience in working in multidisciplinary teams on realistic problems.

The program is administered through the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Three specializations – game design, web design, and visual language — lead to a Bachelor of Arts degree.

Note: Although the Department of Digital Media maintains a small computer lab for student use, Digital Media majors must have continual access to a computer. Contact the UCF Computer Store or see the Web site (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

**Admission Requirements**

- None

**Degree Requirements**

- UCF students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the Department of Digital Media at UCF.
- Co-op or internship credits are not permitted in this major without prior, written permission.
- Students should see the Department of Digital Media’s advisor prior to selecting this major, and at least annually thereafter.

1. **UCF General Education Program** (36 hrs)
   - A. Communication Foundations 9 hrs
   - Select from approved list of courses
   - B. Cultural and Historical Foundations 9 hrs
   - Select ARH 2050 or ARH 2051 3 hrs
   - Select two additional courses from approved list 6 hrs
   - C. Mathematical Foundations 6 hrs
   - Select MAC 1105 College Algebra and MAC 1105 College Algebra and MAC 1105 College Algebra, 3 hrs
   - Select COP 2500C Concepts in Computer Science 3 hrs
   - D. Social Foundations 6 hrs
   - Select from approved list of courses 6 hrs
   - E. Science Foundations 6 hrs
   - Select from approved list of courses

2. **Common Program Prerequisites** (6 hrs)
   - ART 2000C Drawing Fundamentals I 3 hrs
   - ART 2010C Design Fundamentals – Two Dimensional 3 hrs
   - ARH 2050 History of Western Art I and ARH 2051 History of Western Art II 6 hrs
   - COP 2500C Concepts in Computer Science 3 hrs
   - MAC 1105 College Algebra 3 hrs
3. Digital Media Core (24 hrs)
Note: Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a ‘B’ (3.0) in DIG 2000.
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2100C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3252 Digital Media Production I 3 hrs
DIG 3480C Computer as a Medium 3 hrs
DIG 4780C Modeling For-real-time Systems I 3 hrs

4. Specializations. Choose one of the following two areas:

4.1 Game Design: (42 hrs)
Note: Admission to all courses after DIG 4713 is dependent on the student’s achieving at least a ‘A’ (4.0) in DIG 4713.
4.1.A: Game Design - Basic Concentration: (24 hrs)
COP 3223 Introduction to Programming with C 3 hrs
COP 3330 Object Oriented Programming 3 hrs
DIG 4713 Game Design 3 hrs
DIG 4715C Game Production 3 hrs
DIG 4720C Casual Game Production 3 hrs
DIG 4530C Media for E-Commerce I 3 hrs
FL 3720C Introduction to Animation 3 hrs
GRA 3151C Illustration 3 hrs
4.1.B: Game Design – Restricted Electives: (18 hrs)
Complete 18 hours of credits from the following areas:
Note: DIG 4725C must be taken at least two times. It is repeatable for credit.
DIG 4725C Game Design Workshop 6 hrs
12 additional hrs of 3000 or 4000 level courses from ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media.

4.2 Web Design: (42 hrs)
4.2.A: Web Design – Basic Concentration: (24 hrs)
DIG 3134 Media Software Design 3 hrs
DIG 3563 Information Management & Entrepreneurship 3 hrs
DIG 3716C Internet Interaction 3 hrs
DIG 3911 User Centered Design 3 hrs
DIG 4630C Media Business Practices 3 hrs
DIG 4503 Rapid Application Web Development 3 hrs
DIG 4350C Media for E-Commerce I 3 hrs
GRA 3801C Intermediate Computer Graphic Design 3 hrs
4.2.B: Web Design – Restricted Electives: (18 hrs)
Complete 18 hours of credits from the following areas:
Note: DIG 4104C must be taken at least two times. It is repeatable for credit.
DIG 4104C Web Design Workshop 6 hrs
12 additional hrs of 3000 or 4000 level courses from ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media.

4.3. Visual Language: (46 hrs)
4.3.A: Visual Language Core: (15 hrs)
DIG 3951 Portfolio Review 3 hrs
ART 3643C Digital Effects & Compositing 3 hrs
DIG 4325C Look Modeling Workshop 3 hrs
DIG 4326C Geometric Modeling Workshop 3 hrs
FL 3720C Introduction to Animation 3 hrs
FL 3734C Intermediate Animation 3 hrs
4.3.B: Visual Language – Basic Concentration: (24 hrs)
DIG 3355C Artificial Environments & Effects 3 hrs
DIG 3433C Visual Storytelling & Visual Development 3 hrs
DIG 4355C Artificial Environments & Effects Workshop 3 hrs
DIG 4206C New Imagery in Motion 3 hrs
DIG 4394C Motion Graphics Advanced Compositing 3 hrs
DIG 4434C Narrative Technology in the Moving Image 3 hrs
DIG 4465C Visual Language of the Moving Image I 3 hrs
DIG 4461C Visual Story & Visual Development Workshop 3 hrs
4.3.C: Character Animation – Restricted Electives: (7 hrs)
Complete 7 hours of credits from the following areas:
Note: DIG 4104C must be taken at least two times. It is repeatable for credit.
DIG 4104C Web Design Workshop 6 hrs
12 additional hrs of 3000 or 4000 level courses from ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media.

5. Foreign Language Requirements (0-8 hrs)
BA requirements:
Admission: Met by graduation requirement.
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examination for foreign languages may be used to meet the requirement.

6. Unrestricted Electives (Varies with Track)
Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by Digital Media.

7. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required 120 hrs
Related Programs: Art, Computer Science, English, Film, Music
Related Minors: Art-Studio, Computer Information Technology, Computer Science, English-Technical Writing, Film, Music
Transfer Notes:
Grades less than “C” (2.0) are not accepted.
Courses taken at community colleges do not substitute for upper division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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

Program Coordinator: Dr. Judy Levin, ED 122L, 407-823-4615; E-mail: jlevin@mail.ucf.edu

Admission Requirements
Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
Complete education common program prerequisite courses with a minimum letter grade of “C” (2.0) or better.
Meet the Gordon Rule Requirement.
Meet Foreign Language Admission Requirement.

Degree Requirements
Students should seek advising through the Early Childhood Education staff in the Education Complex, suite 122 or by e-mail (ece@mail.ucf.edu) prior to registering for classes.
The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
Students must earn a “C” (2.0) or better in each required Early Childhood Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites.
UCF Degree Programs

- FTCE General Knowledge Test (GKT) -- (if CLAST was used for admission) passing scores on the GKT is strongly recommended during semester 1 of the junior year and required at the time of application to EEC 3930C Seminar Course.
- FTCE Professional Education Test (PED) and Subject Area Examination (SAE -- Prekindergarten/Primary PK-3) -- passing scores strongly recommended prior to application for Internship.

This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program

   A. Communication Foundation
   1. ENC 1101 English Composition I 3 hrs
   2. ENC 1102 English Composition II 3 hrs
   3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundation
   1. General Education Program elective from section B1 3 hrs
   2. General Education Program elective from section B2: Prefer REL 2300 World Religions, or PHI 2101 Introduction to Philosophy, or LIT 2110 World Literature I, or LIT 2120 World Literature II 3 hrs
   3. General Education Program elective: Prefer second course from GEP section B1. 3 hrs
   C. Mathematical Foundation
   1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
   2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs
   D. Social Foundation
   1. Prefer: POS 2041 American National Government 3 hrs
   2. Prefer: PSY 2102 General Psychology 3 hrs
   E. Science Foundation
   1. Prefer: PSC 1121 Physical Science 3 hrs
   2. Prefer: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

   Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites

   EDF 2005 Introduction to the Teaching Profession 3 hrs
   EDF 2005 Introduction to Diversity for Educators 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs

   Note: In addition to EDF 2005, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

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

3. Other Program Requirements

   MAC 1105 College Algebra or 3 hrs
   MAE 2801 Elem Schl Math 4 hrs
   EDF 2130 Child and Adolescent Development 3 hrs
   EDF 2720 Children in Schools: Legal, Ethical And Safety Concerns 3 hrs
   EEC 4731 Health, Safety, and Nutrition for Young Children or similar course 3 hrs

   Select one:
   ARE 2011 Early Childhood Art and Creativity 3 hrs
   MUE 2211 Early Childhood Music and Movement 3 hrs

   *Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Early Childhood Education Program Recommended Sequence of Required Upper Division Courses

   Notes:
   - All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.
   - Early Childhood Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in this program are working toward certification in PreK-Primary (PK-3) with ESOL Endorsement. They take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Early Childhood Education major’s program and to integrate theory and practice in actual school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty.

   Semester I

   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
   EEX 4751 Parent Involvement 3 hrs
   TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
   Students in Schools 3 hrs

   Semester II

   EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
   EEC 4207 Assessment and Evaluation of Young Children 3 hrs
   EEC 4258 Curriculum Activities in Early Childhood 3 hrs
   EEX 3450 Young Children with Special Needs 3 hrs

   Semester III

   MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
   SCE 4304 Science Curriculum and Assessment in Early Childhood 3 hrs
   RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
   EEC 3930C Early Childhood Education Seminar – Bridging the School to the Community 3 hrs

   Semester IV

   EEC 4943 Student Teaching – Internship 12 hrs

   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.

5. Foreign Language Requirements

   State University System foreign language admission requirement:
   Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

6. Departmental Exit Requirements

   - Achieve a minimum overall 2.75 GPA in all courses within the major.
   - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
   - Complete a TESOL notebook as required for ESOL Endorsement.
   - Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites.
7. University Minimum Exit Requirements
   – A 2.0 UCF GPA
   – 48 semester hours of upper division credit completed
   – 30 of the last 36 hours of course work must be completed in residency at UCF
   – 25% of course work must be completed in residency at UCF
   – Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required
   – 120 hrs

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

9. Recommended Four-Year Sequence of Courses
   Note: This recommended sequence may vary at selected campus location.
   Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year
   Fall 12 hrs
   – EDF 2005 Intro to the Teaching Prof
   – ENC 1101 English Composition I
   – MGF 1106 Finite Mathematics
   – PSY 2012 General Psychology

   Spring 15 hrs
   – EDF 2085 Intro to DIVERSITY for Ed
   – ENC 1102 English Composition II
   – MAC 1105 College Algebra

Sophomore Year
   Fall 15 hrs
   – SPC 1608 Fund of Oral Comm
   – ARE 2011 EC Art & Creativity
   – MUE 2211 EC Music & Move

   Spring 12 hrs
   – EDF 2720 Child in Sch: Legal
   – PHI 2010 Intro to Prisiph or
   – LIT 2110 World Lit I
   – LIT 2120 World Lit II

Summer 6 hrs
   – POS 2041 Amer National Gov
   – RED 3012 Basic Found of Read
   – MUE 2211 EC Music & Move

Junior Year
   Fall 15 hrs
   – STA 2014C Princ of Stats
   – REL 2300 World Religions
   – PSY 2012 General Psychology
   – MGF 1106 Finite Mathematics
   – MAC 1105 College Algebra

   Spring 15 hrs
   – STA 2023 Principles of Statistics
   – ENC 1102 English Composition II
   – MAC 1105 College Algebra
   – PHI 2010 Intro to Prisiph or
   – LIT 2110 World Lit I
   – LIT 2120 World Lit II

Senior Year
   Fall 12 hrs
   – MUE 2211 EC Music & Move

   Spring 12 hrs
   – EDF 2720 Child in Sch: Legal
   – PHI 2010 Intro to Prisiph or
   – LIT 2110 World Lit I
   – LIT 2120 World Lit II

Summer 6 hrs
   – POS 2041 Amer National Gov

ECONOMICS (B.A.)
College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics

Not eligible for a double degree with the BSBA in Economics

Advisors: Michael Caputo, BA2 302Q, 407-823-1405, E-mail: mcaputo@bus.ucf.edu; D. Scroggin, BA2 302U, 407-823-4129; N. Underwood, BA2 302N, 407-823-1403

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education.

- Several flexible tracks allow students to customize their education to their personal interests and career goals.
- These tracks can be coupled with a minor from many different Colleges to create a unique program for each student.

An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics.

Admission Requirements
   none

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

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     - Preferred: SPC 1608
     - 9 hrs
   - B. Cultural and Historical Foundations
     - 9 hrs
   - C. Mathematical Foundations
     - Select MAC 1140 Pre-Calculus Algebra (or Calculus)
     - 3 hrs
     - Select STA 2023 Principles of Statistics
     - 3 hrs
   - D. Social Foundations
     - Select ECO 2013 Microeconomics or
     - 3 hrs
     - ECO 2023 Microeconomics
     - Select one: PSY 2012, SYG 2000 or ANT 2000
     - 3 hrs
   - E. Science Foundations
     - 6 hrs

2. Common Program Prerequisites (3 hrs)
   - ECO 2013 Principles of Macroeconomics
     - GEP
   - ECO 2023 Principles of Microeconomics
     - 3 hrs
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements (16 hrs)
   - ECO 3101 Intermediate Microeconomics
     - 3 hrs
   - ECO 3203 Intermediate Macroeconomics
     - 3 hrs
   - ECO 3401 Quantitative Business Tools I
     - 3 hrs
   - ECO 3411 Quantitative Business Tools II
     - 4 hrs
   - ECO 4451 Research Methods in Economics
     - 3 hrs
   - *At UCF, students who have completed MAC 2313 (or any Calculus 1 & 2 sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.
     - **STA 4163 or STA 4321 may substitute for ECO 3411.

4. Upper Division Restricted Electives (18 hrs)
   - All B.A. Economics majors will be required to take six (6) electives by choosing one of the following tracks:

4.1 PRE-LAW TRACK
   - Restricted electives (9 hrs)
     - ECO 4751 Law and Economics
     - ECO 4303 History of Economic Thought
     - EDP 4403 Industrial Organization and Game Theory
     - Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.
4.2 POLITICAL ECONOMY TRACK
Restricted electives (9 hrs)
ECO 4504  Public Economics
ECO 4303  History of Economic Thought
ECS 4013  Economics of Developing Areas

Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses. For double majors in Political Science, two of these electives can be selected from Political Science with advisor’s approval.

4.3 PRIVATE ENTERPRISE TRACK
Restricted electives (9 hrs)
ECO 3223  Money and Banking
ECP 3203  Labor Economics
ECP 4402  Industrial Organization and Game Theory

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

4.4 INTERNATIONAL TRACK
Restricted electives (9 hrs)
ECO 3703  International Trade
ECO 4704  International Macroeconomics
ECS 4013  Economics of Developing Areas

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

4.5 ECONOMICS OF GOVERNMENTAL REGULATION
Restricted electives (9 hrs)
ECO 4302  Environmental & Natural Resource Economics
ECO 4504  Public Economics
ECO 3203  Labor Economics

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

4.6 GENERAL TRACK (18 hrs)
Select any six 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

It is possible to have a double track; however, only the first designated track will show on the transcript.

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
ECO 3703  International Trade
ECO 4412  Econometrics
ECO 3410  Mathematical Economics
ECO 4504  Public Economics
ECP 4403  Industrial Organization and Game Theory

Students are also encouraged to select MAC 2311, 2312 and 2313 along with STA 4321 and 4322 as substitutes for ECO 3401 and ECO 3411. Minors in Mathematics or Statistics are also recommended to help prepare students for graduate school. Consult with the Department’s major advisors on the appropriate minors to be paired with different tracks.

5. Required Minor (18 hrs min)
Completion of a minor in one of the following suggested areas: Mathematics, Statistics, Legal Studies, Environmental Studies, Finance, Real Estate, Business, Digital Media, Computer Science, History, English, or any of the Social and Behavioral Sciences. Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

6. Departmental Exit Requirements
- Students majoring in Economics must earn a grade of “C” (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.
- Computer Competency met by Research Methods course.

7. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

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

8. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the LAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
Related Programs: Economics B.S.B.A., Accelerated B.A./M.S.
Related Minors: Statistics, Mathematics, Legal Studies, Political Science, Psychology, Sociology, Computer Science

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

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

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

Four Year Plan of Study – B.A. Economics

Freshman
1st Term                                    15 hrs 2nd Term                                14 hrs
ENC 1101* 3 Fall Term                        ECO Elective 3
ECS 1115* 3 Winter Term                      ECO Elective 3
ECO Elective 3 Minor** 3

Sophomore                                      15 hrs 2nd Term                              15 hrs
ECO 3203 Inter Macroeconomics                ECO Elective 3
ECO Elective 3 Minor** 3

Junior                                          15 hrs 2nd Term                              15 hrs
ECO Elective 3 Minor** 3

Senior                                          14 hrs
ECO Elective 3 Minor** 3
ECONOMICS, BUSINESS (B.S.B.A.)
College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics

Not eligible for a double degree with another College of Business Administration major or a BA in Economics

Undergraduate Advising: BA2 101, 407-823-2184;
Advisors: Michael Caputo, BA2 302Q, 407-823-1405,
E-mail: mcaputo@bus.ucf.edu; D. Scrogin, BA2 302U, 407-823-4129; N. Underwood, BA2 302N, 407-823-1403

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Several flexible tracks allow students to customize their education to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree along with a major in Economics.

Admission Requirements for Business Economics

- Completion of the UCF General Education program, and the Gordon Rule, or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations (9 hrs)
     Preferred: SPC 1608
   - B. Cultural and Historical Foundations (9 hrs)
   - C. Mathematical Foundations
     Select MAC 1140 Pre-Calculus Algebra (or Calculus) 3 hrs
     Select GCS 2100C Computer Fundamentals for Business 3 hrs
   - D. Social Foundations
     Select ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
     Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
   - E. Science Foundation 6 hrs

2. Common Program Prerequisites (18-21 hrs)
   - Must be completed with a “C” (2.0) or better.
     ACG 2021 Principles of Financial Accounting 3 hrs
     ACG 2071 Principles of Managerial Accounting 3 hrs
     ECO 2013 Principles of Macroeconomics 3 hrs
     ECO 2023 Principles of Microeconomics 3 hrs
     *ECO 3401 Quantitative Business Tools I* 3 hrs
     *GCS 2100C Computer Fundamentals for Business 3 hrs
     *Students who have completed MAC 2324 (or any Calculus1 & 2 sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.
     Select any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

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

3. Core Classes (36 hrs)
   - First or subsequent semester in the College of Business Administration:
     GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
     GEB 3375 Introduction to International Business 4 hrs
     BUL 3130 Legal & Ethical Environ. of Business 4 hrs
     ECO 3411** Quantitative Business Tools II 4 hrs
     FIN 3403C Business Finance 4 hrs
     MAN 3025 Management of Organizations 4 hrs
     ISM 3011C Essentials of Management Information Systems 4 hrs
     MAR 3023 Marketing 4 hrs
     Last Semester:
     MAN 4720 Strategic Management 4 hrs
     **STA 4163 or STA 4321 may substitute for ECO 3411

4. Special College and/or Departmental Requirements
   - Must complete all Gordon Rule requirements, prior to admission to this degree.
   - Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   - Final exams will be given during Exam Week.

5. Required Major Courses (9 hrs)
   - ECO 3101 Intermediate Microeconomics 3 hrs
   - ECO 3203 Intermediate Macroeconomics 3 hrs
   - ECO 4451 Research Methods in Economics 3 hrs

6. Upper Division Restricted Electives (15 hrs)
   - All B.S.B.A. economics majors will be required to take five (5) electives by choosing one of the following tracks:

6.1 BUSINESS ECONOMICS TRACK
   - Restricted electives (9 hrs)
     ECP 3203 Labor Economics
     ECO 4403 Industrial Organization and Game Theory
     ECO 3223 Money and Banking
     Choose any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

6.2 INTERNATIONAL TRACK
   - Restricted electives (9 hrs)
     ECO 3703 International Trade
     ECO 4704 International Macroeconomics
     ECS 4013 Economics of Developing Areas
     Choose any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

6.3 PRE-LAW TRACK
   - Restricted electives (9 hrs)
     ECO 4751 Law and Economics
     ECP 3203 Labor Economics
     ECP 4403 Industrial Organization and Game Theory
     Choose any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

6.4 FINANCIAL ECONOMICS TRACK
   - Restricted electives (9 hrs)
     ECO 4412 Econometrics
     ECO 3203 Money and Banking
     ECO 4704 International Macroeconomics
     Choose any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

6.5 ECONOMICS OF GOVERNMENTAL REGULATION TRACK
   - Restricted electives (9 hrs)
     ECP 4302 Environmental & Natural Resource Economics
     ECO 4504 Public Economics
     ECP 3203 Labor Economics
     Choose any other two 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

6.6 GENERAL TRACK
   - Select any five 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. One of these electives can be selected from a related discipline with advisor’s approval.
   - It is possible to have a double track; however, only the first designated track will appear on the transcript.

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

- ECO 3703 International Trade
- ECO 4412 Econometrics
- ECO 3410 Mathematical Economics
- ECO 4504 Public Economics
- ECP 4403 Industrial Organization and Game Theory

Students are also encouraged to select MAC 2311, 2312 and 2313 along with STA 4321 and 4322 as substitutes for ECO 3401 and ECO 4411.
7. Foreign Language Requirements     (0-8 hrs)
   Admission: Two years of one foreign language in high school, or
   one year of one foreign language in college (or equivalent proficien-
   cy exam) prior to graduation.

8. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after any CLEP award
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in
   residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, 
   Credit by Exam, and Armed Forces credits permitted
   Completion of the General Education Program, the Gordon Rule, 
   the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives*** (variable)
Total Semester Hours Required  120 hrs

Related Programs: Economics B.A., Accelerated B.A./M.S.

Transfer Notes
   Courses taken at community colleges do not substitute for upper division courses.
   Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

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

   Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

   ACG X001 and X011 will substitute for ACG 2021 at UCF.

Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

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

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

Four Year Plan of Study - Business Economics

Freshman
1st Term                                      15 hrs
   ENC 1101*                                  3
   MAC 1140* (or Calculus)                    3
   CULT-HIST*                                 3
   SPCC 1608                                  3
   MAC 1140* (or Calculus)                    3
   ***Elective                                3
   Must complete 9 hours in a summer semester

Sophomore
1st Term                                      15 hrs
   ECO 2013* (or Macroeconomics)              3
   AGC 2021*                                  3
   Science                                    3
   Psy/Soc/Ant                                 3
   ***Elective                                3

   2nd Term                                   15 hrs
   ECO 3011 (or Macroeconomics)               3
   ECO Elective                               3
   ECO Elective                               3
   ECO Elective                               3
   ***General electives as required to reach 120 semester hours.

ECONOMICS (B.A./M.A.A.E.)
Accelerated Undergraduate-Graduate Program
   Note: For detailed information about this program, see the description in the “Accelerated Undergraduate-Graduate Programs” section.

ECONOMICS
See also Mathematics - Mathematical Economics Track

ELECTRICAL ENGINEERING (B.S.E.E.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science,
Harris Corp Engineering Ctr., Rm 246,
407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Contacts: Dr. Samuel Richie, HEC 245E;
Charlese Hilton-Brown, HEC 245F

Admission Requirements: none

Degree Requirements
   Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major.
   Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

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

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

A. Communication Foundations          9 hrs
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1603

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

C. Mathematical Foundations          7 hrs
   1. Select MAC 2311 (PR: MAC 1141 and MAC 1140)
   2. Select STA 3023 (PR: MAC 2312)

D. Social Foundations                 6 hrs
   1. Prefer ECO 2033 or ECO 2023
   2. ANT 2000, PSY 2012, or SYG 2000

E. Science Foundations               7 hrs
   1. Select PHY 2048/48L (PR: MAC 2311)
   2. ANT 2511, BSC 1005, BSC 2050, GY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP’s) (19 hrs)
   These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in ECE major courses, a 2.0 (C or better) in each course is required for those courses in section 2. marked with an asterisk (*).
Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

CHS 1440  Fundamentals of Chemistry for Eng  4 hrs
(CHM 2045C/45L will substitute)
MAC 2311*  Calculus with Analytic Geometry I  GEP
MAC 2312*  Calculus with Analytic Geometry II  4 hrs
MAC 2313*  Calculus with Analytic Geometry III  4 hrs
MAP 2302*  Differential Equations  3 hrs
PHY 2048/48L*  Physics for Engineers & Scientists I  GEP
PHY 2049/49L*  Physics for Engineers & Scientists II  4 hrs
ENC 1101  Composition I  GEP
ENC 1102  Composition II  GEP
Humanities Courses  GEP
Social Science Courses  GEP
Humanities or Social Sciences  GEP

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

3. Courses Required for the Engineering Core  (14 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

EGN 1006C  Intro to the Engineering Profession  1 hr
EGN 1007C  Engineering Concepts & Methods  1 hr
EGN 3310  Engineering Analysis - Statics  3 hrs
EGN 3321  Engineering Analysis - Dynamics or
EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs
EEL 3420  Engineering Analysis  3 hrs
STA 3032  Probability & Statistics for Engineers  GEP
PHY 3101  Physics for Engineers & Scientists I  3 hrs

4. Courses Required for the Major  (41 hrs)
EEL 3004  Electical Networks  3 hrs
EEL 3123C  Networks and Systems  4 hrs
EEE 3350  Semiconductor Devices  I  3 hrs
EEE 3310C  Electronics I  3 hrs
EEE 3342C  Digital Systems  3 hrs
EEL 3470  Electromagnetic Fields  3 hrs
EEL 3552C  Analog and Digital Communications  4 hrs
EEL 3567  Linear Control Systems  3 hrs
EEL 3801  Computer Organization  3 hrs
EEL 4309C  Electronics II  4 hrs
EEL 4750  Digital Signal Processing Fund.  3 hrs
EEL 4767C  Embedded Systems  4 hrs

5. Approved Technical Electives  (10 hrs)
Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics and wireless communications. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Departmental Graduation Requirements  (6 hrs)
EEL 4914  Senior Design I  3 hrs
EEL 4915L  Senior Design II  3 hrs
CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements  (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required:  128 hrs

Related Programs: Computer Engineering, Computer Science, Electrical Engineering Technology (Electrical Systems Concentration).

Related Minors: Engineering Leadership, Intelligent Robotic Systems

Transfer Notes:
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

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

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

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Electrical Engineering - 128 semester hours required

FIRST YEAR
Fall 14 hrs 1,3  Spring 15 hrs 1,3
EGN 1006C Intro to Engr  EGG 1007C Eng Conc & Meth
HistorylFoundation1a  ENC 1101 English Comp I
SPC 1603 Technical Presentations  ENC 1102 English Comp II
*MAC 2311 Calc with Analytic Geo I  4*MAC 2312 Calc with Analy Geo II
GLY/GEOL/BSC 4  *PHY 2048L Phys Eng I w/lab 4

SECOND YEAR
Fall 17 hrs 1  Spring 15 hrs 1
*MAC 2313 Calc with Analytic Geo III  EGG 3310 Engr Anal-Statics
*PHY 2049L Phys for Engr II w/lab  ECO 2013 Microeconomics
*MAC 2312 Calc with Analy Geo II  or ECO 2023 Microeconomics
*PHY 3101 Phys for Engr/Sci III  ENC 1102 English Comp III

Summer 10 hrs 1  EEE 3342C Dig Systems  EEL 3123C Networks and Systems
EEL 3323C Networks and Systems  *Social Foundations 1 3

THIRD YEAR
Fall 14 hrs  EEL 3350 Semicond Devices I
EEL 3325C Digital Logic & Comm  EEL 4767C Embedded Systems
EEL 4767C Embedded Systems  EGG 3321 Engr Anal-Dynamics
or EGG 3358 Ther-Flds-Ht Transfer  or EGG 3358 Ther-Flds-Ht Transfer
EEL 3690L Linear Control Sys  STA 3032 Prob & Stats Engrs
EEL 3910 Linear Control Sys  EGG 3420 Engineering Anal 3

FOURTH YEAR
Fall 16 hrs 1  EEL 4750 Signal Proc Fund
EEL 3470 Electromagnetic Flds  3
Approved Technical Elective  3
Approved Technical Elective  3
EEL 4914 Senior Design I  3
*Historical Foundations 1b  3

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. Assumes knowledge of a course in C programming language.
3. EGG 1006C and EGG 1007C are required courses for incoming freshmen only.
   The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5. Approved Technical Electives.

Accelerated BS/MS Degree Program
The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of the Catalog for more information.
EET 4732C Feedback Control Systems  4 hrs
EET 4548C Power Systems   4 hrs
EET 4158C Linear Integrated Circuits  3 hrs
CET 4134C Microprocessor Electronics II  3 hrs
CET 2124 Microcomputer Technology I  3 hrs
(C (2.0) or better grades are required in all courses)

Upper Level Required Courses   (23 hrs)

EET 3085C  Electricity and Electronics  4 hrs
EET 2025C  Electrical Circuits   4 hrs
EET 3143C Electronic Devices and Circuits  4 hrs
CET 2364 System Applications in C   3 hrs
CET 3198C Digital Systems   3 hrs
CET 4124 Microcomputer Technology I  3 hrs
CET 4134C Microprocessor Electronics II  3 hrs
EET 3176 Network Analysis  4 hrs
EET 4158C Linear Integrated Circuits  3 hrs
EET 4548C Power Systems   4 hrs
EET 4732C Feedback Control Systems  4 hrs

(CET 4931 or better grades are required in all courses)

5. Departmental Exit Requirement (3 hrs)

Select 9 hours from courses listed below:

EET 4138C Antennas and Propagation  3 hrs
EET 4333 Computer Organization & Design  3 hrs
EET 4931 Current Topics in Tech  3 hrs
EET 4329C Communication Systems  4 hrs
EET 4339C Antennas and Propagation  3 hrs
EET 4353C Digital Communications  4 hrs
EST 3222 Intro to Photonics  3 hrs

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or
one year of one foreign language in college (or equivalent proficien-
cy exam) prior to graduation.
Graduation: none

7. Approved Technical Electives
Students should consult with the ENT Department for a list of the
approved technical electives and the terms when specific courses of
this type are to be offered.

8. University Minimum Graduation Requirements
A 2.0 UCF GPA
60 semester hours earned after any CLEP award
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in
residency at UCF
25% of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required:          128 hrs

Related Programs:
Electrical Engineering Technology (Computer Systems Concentration)

Related Minors: Interdisciplinary Informatics Technology

Transfer Notes:
Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) require-
ments of that institution met have thereby satisfied UCF GEP require-
ments.
Students entering a UCF undergraduate program and having a
previously earned baccalaureate degree from an accredited insti-
tution have thereby satisfied UCF GEP requirements. (See also
the section on the GEP found elsewhere in the Catalog.)
Courses taken from Community Colleges do not substitute for
Upper Division Courses.
Courses transferred must be formally evaluated for equivalency
credit. The student must provide all supporting information to the
ENT Department for this evaluation.

ENT Departmental Residency Requirements consist of at least
32 semester hours of regularly-scheduled 3000 or 4000 level
courses taken from the UCF ENT Department.
PHY 2048L can substitute for PHY 2053C.

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

Equipment Fee
Full-time Student...........................................
Part-time Student...........................................

Tentative Course Schedule for the Electrical Systems Concentration
The tentative course schedule listed below is a guide for those stu-
dents who plan on completing their engineering technology degree
requirements in two years. Many students choose to spread out
these requirements over a longer period of time. All engineering
technology students should meet with their faculty advisor to develop
and maintain an appropriate plan of study.
Freshman Year
Fall  
1. ENC 1101 English Composition I  3 hrs
2. MAC 1105 College Algebra   3 hrs
3. MAC 1114 Trigonometry 3 hrs
4. Cultural/Historical Foundation 3 hrs

Sophomore Year
Fall  
16 hrs  
3. SPC 1608 Oral Communications   3 hrs
4. PHY 2054C College Physics II 4 hrs
5. CET 2364 Sys Appl in C   3 hrs
6. Summer  
7 hrs  
3. ENC 3241 Writing Tech Pros 3 hrs
4. EET 3085C Electricity and Electro 4 hrs

Junior Year
Fall  
13/14 hrs  
3. MAP 3401 Problem Analysis 3/4 hrs
or MAC 2312 Calculus II 3 hrs
1. Cultural/Historical Foundation 3 hrs
or MAC 2254 Applied Calc II 3 hrs
2. EET 2025C Electrical Circuits 3 hrs
3. CET 3115C Digital Technology 4 hrs
4. CET 3198C Digital Systems 3 hrs
5. EET 3671 Tech Economic Analysis 3 hrs
6. Lower level elective 2 hrs
7. Summer  
10 hrs  
3. CET 4134 Microprocessor Elec II 3 hrs
4. EET 3143C Elect Devices and Circuits 4 hrs
5. Upper level elective 3 hrs

Senior Year
Fall  
16 hrs  
3. EET 4548C Power Systems 4 hrs
4. EET 4158C Linear Int Cir 4 hrs
5. EET 3545C Programmable Logic Cont 4 hrs
6. CET 2124 Micromach Tech I 3 hrs
7. Spring  
13 hrs  
3. EET 4950C Sr. Design Proj 3 hrs
4. EET 4732C Feedback Control 3 hrs
5. ETT 4448 Applied Project Mgmt 3 hrs
6. Upper level elective 3 hrs

Electrical Engineering Technology (B.S.EET)
A.S. to B.S.EET. Concentration
Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Elementary Education (B.S.)
College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/elemed/
Program Coordinators: Dr. Karri Williams and Dr. Robert Everett
E-mail: kjwilla@mail.ucf.edu, everett@mail.ucf.edu

Admission Requirements

1. Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
2. Have a minimum 2.5 overall GPA.
3. Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
4. Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
5. Meet the Gordon Rule Requirement.

Degree Requirements

1. Students should see an advisor prior to registering for classes.
2. 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.
3. This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program
   A. Communication Foundation 36 hrs
      1. ENC 1101 English Composition I 3 hrs
      2. ENC 1102 English Composition II 3 hrs
      3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation
   1. Prefer: AMH 1010 U.S. History 1492-1877 3 hrs
   2. Prefer: ARH 2050 The History of Art I, or ARH 2051 The History of Art II, or MUL 2010 Enjoyment of Music 3 hrs
   3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs

C. Mathematical Foundation
   1. Select: MAC 1105 College Algebra or MGF 1106 Finite Math or MGF 1107 3 hrs
   2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

D. Social Foundation
   1. Prefer: POS 2101 American National Government 3 hrs
   2. Prefer: PSU 1001 General Psychology 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites
   9 hrs
   EDF 2005 Introduction to the Teaching Profession 3 hrs
   EDF 2085 Introduction to Diversity for Educators 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

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

3. Other Program Requirements
   8 hrs
   EDF 2130** Child and Adolescent Development for Educators 3 hrs
   MAE 2801* Elementary School Mathematics 4 hrs
   PET 2081** Wellness, Children & Schools 1 hr
   * MAC 1105 or MGF 1106 is a prerequisite for MAE 2801
   **Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Lower Division Electives
   7 hrs
   Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination:
   - MAC 1105 College Algebra (if MGF 1106 taken for General Education Program) or MGF 1106 Finite Mathematics (if MAC 1105 taken for 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 B.2. above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

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

Semester I
EDC 4410 Teaching Strategies and Classroom Mgmt (required prior to Internship I) 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
LAE 4314 Children's Literature 3 hrs
RED 3012 Basic Foundations of Reading (required prior to Internship I) 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools (required prior to Internship I) 3 hrs

Semester II
SCE 3310 Teaching Science in the Elementary School 3 hrs
SSE 3312 Teaching Social Science in the Elem School 3 hrs
LAE 4314 Teaching Language Arts in the Elementary School 3 hrs
RED 4519 Diagnostic & Corrective Reading Strategies (required prior to Internship I) 3 hrs
EEX 4070 Teaching Exceptional Children 3 hrs

Summer
EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
UCF Degree Programs

- Passing score on the General 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 and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/. Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801.

Note: RED 4942, MAE 4326, and EDE 4223 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

Semester III (Internship I Block) (12 hrs)
- RED 4942 Practicum for Assessment and Instruction of Reading (PR: RED 4519) 3 hrs
- MAE 4326 How Children Learn Math 3 hrs
- EDE 4223 Integrated Arts and Movement in Elem School 3 hrs
- EDE 3942 Internship I 3 hrs

- Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

Semester IV (Internship II) (12 hrs)
- EDE 4943 Internship II 12 hrs

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

7. Departmental Exit Requirements (0-8 hrs)
- Achieve a minimum overall 2.5 GPA within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

9. Total Semester Hours Required: 120 hrs

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

10. Recommended Four-Year Sequence of Courses
Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year
- Fall 12 hrs
  - EME 2040 Intro to Tech for Educators 3
  - ENC 1101 English Composition I 3
  - ARH 2050 The History of Art I 3
  - MAC 1105 College Algebra 3
- Spring 13 hrs
  - EDF 2130 Child & Adoleso Dev Ed* 3
  - ENC 1102 English Composition II 3
  - PSY 2012 General Psychology 3
  - PSC 1121 Physical Science 3
  - PSC 1121L Physical Science Lab 1

Summer
- 6 hrs
  - MGF 1106 Finite Mathematics 3
  - POS 2041 American National Gov 3

Sophomore Year
- Fall 15 hrs
  - AMH 2101 U.S. History 1492-1877 3
  - MAC 1311, MAC 2312 Calculus I w/Analytical Geometry I 3
  - EDF 2005 Intro to the Teaching Prof 3
  - EDE 3012 Basic Found of Reading 3
  - TSL 4080 Theory & Pract of Teach ESOL 3
  - Students in Schools
- Spring 14 hrs
  - RED 4519 Diagn & Corr Read Strat 3
  - MAC 2311 Calculus II w/Analytical Geometry II 3
  - EDE 2085 Intro to Diversity for Ed 3
  - PET 2081 Wellness, Children & Schools* 1

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year
- Fall 15 hrs
  - EDG 4410 Teach Strat & Class Mgmt 3
  - EDE 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch 3
  - RED 3012 Basic Found of Reading 3
  - TSL 4080 Theory & Pract of Teach ESOL 3
  - Students in Schools
- Spring 15 hrs
  - RED 4942 Practicum for Assmt & Instruct of Reading 3
  - EDF 4603 Anal & Appl of Eth, Legal, & Safe Issues in Sch 3
  - MAE 2801 Elem Sch Math 4
  - LAE 3312 Teach Soc Sci Elem Sch 3
  - SSE 3312 Teach Soc Sci Elem Sch 3
  - LAE 4314 Teach Lang Arts Elem 3
  - EEX 4070 Teach Except Children & Schools* 3

Senior Year
- Fall 12 hrs
  - MAE 4326 How Children Learn Math 3
  - RED 4942 Practicum for Assmt & Instruct of Reading 3
  - EDE 4223 Integrated Arts and Movement in Elem School 3
- Spring 12 hrs
  - EDE 4943 Internship II 12 hrs

College of Engineering and Computer Science

Engineering Technology (ENT) Department, ENGR 207
http://ent.ucf.edu

Coordinator: Dr. Eduardo Divo, 407-823-4753, E-mail: edivo@mail.ucf.edu

Admission Requirements

Degree Requirements
- Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.
- A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36/2 hrs)
A. Communication Foundations 9 hrs
   1. ENC 1101 & ENC 1102
   2. Prefer SPH 1063
B. Cultural and Historical Foundations 9 hrs
   1. Select MAC 1105
   2. Select STA 2023
C. Mathematical Foundations 6 hrs
   1. Select PHY 2053C
   2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310
D. Social Foundations 6 hrs
   1. Select PHY 2053C
   2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310
E. Science Foundations 8 hrs
   1. Select PHY 2053C
   2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP) (6/8 hrs)
(C (2.0) or better grades are required in all courses)
- MAC 2253 Calculus I
  - or MAC 2311 Calculus I
- or MAC 2254 Calculus II or equiv
- or MAC 2312 Calculus II
- PHY 2053C College Physics I/Lab
- or PHY 2048L Physics for Engrs & Scientists I
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
3. Engineering Technology Core Requirements (21 hrs)

ANT 2511, BSC 1005, BSC 1050, GEO 1200, MCB 1310 or GLY 1030
ENC 3941 Writing for the Technical Professional 3 hrs
MAC 1105 College Algebra GEP
MAC 1114 College Trigonometry 3 hrs
MAC 2253 Applied Calculus I or MAC 2311 Calculus w/Analytical Geometry I 3 hrs
MAP 3401 Problem Analysis CPP
or MAC 2312 Calculus w/Analytical Geometry II
PHY 2053C College Physics I or PHY 2048/L and 2049/L 4 hrs
ETG 3541 Applied Mechanics 3 hrs
ETI 4448 Applied Project Management 3 hrs
ETI 3671 Technical Economic Analysis 3 hrs
ETI 3116 Applied Engineering Quality Assurance 3 hrs
ETI 4535 Technology Administration 3 hrs

4. Technical Specialization (60 hrs)

(C (2.0) or better grades are required in all courses except lower level technical electives)

Lower Level Required and Elective Courses (26 hrs)

EST 3543C Programmable Logic Controllers 3 hrs
CHM 1032/L General Chemistry/Lab 4 hrs
CET 2364 Systems Application in C++ 3 hrs
ETM 4220 Applied Energy Systems 4 hrs
ETM 4331C Applied Fluid Mechanics 4 hrs

Upper Level Required Courses (22 hrs)

ETD 3350C Applied CAD 3 hrs
ETI 3418C Computer Numerical Controls 3 hrs
ETI 3421 Materials & Processes 3 hrs
ETM 4220 Applied Energy Systems 4 hrs
ETM 4331C Applied Fluid Mechanics 4 hrs
ETI 3421 Materials & Processes 3 hrs
ETM 4512C Applied Design of Machine Elements 3 hrs
ETG 3541 Applied Mechanics 3 hrs
ETI 4448 Applied Project Management 3 hrs
ETI 3671 Technical Economic Analysis 3 hrs
ETI 3116 Applied Engineering Quality Assurance 3 hrs
ETI 4535 Technology Administration 3 hrs

Select one of the following two options to complete your BSET.

a. Mechanical Technology Track

Upper Level Required Courses (22 hrs)

ETD 3350C Applied CAD 3 hrs
ETG 3541 Applied Mechanics 3 hrs
ETI 3418C Computer Numerical Controls 3 hrs
ETM 4512C Applied Design of Machine Elements 3 hrs
ETI 4448 Applied Project Management 3 hrs
ETI 3671 Technical Economic Analysis 3 hrs
ETI 3116 Applied Engineering Quality Assurance 3 hrs
ETI 4535 Technology Administration 3 hrs

b. Construction Technology Track

Upper Level Required Courses (22 hrs)

ETD 3350C Applied CAD 3 hrs
ETG 3541 Applied Mechanics 3 hrs
ETI 3418C Computer Numerical Controls 3 hrs
ETM 4512C Applied Design of Machine Elements 3 hrs
ETI 4448 Applied Project Management 3 hrs
ETI 3671 Technical Economic Analysis 3 hrs
ETI 3116 Applied Engineering Quality Assurance 3 hrs
ETI 4535 Technology Administration 3 hrs

Upper Level Technical Elective (12 hrs)

ETI 4480C Applied Robotics 4 hrs
ETI 4700 Occupational Safety 3 hrs
ETM 4512C Applied Design of Machine Elements 3 hrs
ETI 3418C Computer Numerical Controls 3 hrs
ETM 4251C Applied Heat Transfer 4 hrs
ETM 4755 Applied Air Conditioning 4 hrs
CET 3110 Introduction to Information Technology 3 hrs

Upper Level Technical Elective (12 hrs)

ETD 3350C Applied CAD 3 hrs
ETG 3541 Applied Mechanics 3 hrs
ETI 3418C Computer Numerical Controls 3 hrs
ETM 4512C Applied Design of Machine Elements 3 hrs
ETI 4448 Applied Project Management 3 hrs
ETI 3671 Technical Economic Analysis 3 hrs
ETI 3116 Applied Engineering Quality Assurance 3 hrs
ETI 4535 Technology Administration 3 hrs

5. Departmental Graduation Requirement (3 hrs)

(C (2.0) or better grades are required in all courses)

Senior Design Project 3 hrs

6. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. Approved Technical Electives

Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs: Engineering Technology (Operations Concentration)

Related Minors: Interdisciplinary Informatics Technology

Transfer Notes:

- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in the Catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L and 2049/L substitute for PHY 2053C and PHY 2054C respectively.

Program Academic Learning Compacts

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

Equipment Fee

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

Tentative Schedule for the Design Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Engineering Technology – 128 semester hours required

Freshman Year

Fall 13 hrs Spring 13 hrs
ENC 1101 Composition I 3 ENC 1102 Composition II 3
MAC 1105 College Algebra 3 CHM 1032 General Chemistry 4
ETI 3421 Materials & Processes 3 ETG 3541 Applied Mechanics 3
ETM 4208C Applied Strength of Materials 4 ETI 4448 Applied Project Management 3
ETG 3541 Applied Mechanics 3 ETI 3671 Technical Economic Analysis 3
ETI 3116 Applied Engineering Quality Assurance 3 ETI 4535 Technology Administration 3
ETG 3541 Applied Mechanics 3 ETI 4535 Technology Administration 3

Sophomore Year

Fall 13/14 hrs Spring 15/16 hrs
ETI 3671 Technical Economic Analysis 3 ENC 1101 Composition I 3
ETI 4535 Technology Administration 3 ENC 1102 Composition II 3
ETG 3541 Applied Mechanics 3 MAC 1105 College Algebra 3
ETI 3421 Materials & Processes 3 ETG 3541 Applied Mechanics 3
ETM 4208C Applied Strength of Materials 4 ETI 4448 Applied Project Management 3
ETG 3541 Applied Mechanics 3 ETI 3671 Technical Economic Analysis 3
ETG 3541 Applied Mechanics 3 ETI 4535 Technology Administration 3

Junior Year

Fall 16 hrs Spring 15 hrs
ETD 3350C Applied CAD 3 EET 3241 Writing Tech Prog 3
ETI 4448 Applied Project Management 3 ETI 3671 Technical Economic Analysis 3
ETG 3541 Applied Mechanics 3 Lower level elective 3
ETD 3350C Applied CAD 3 Lower level elective 3
ETI 4535 Technology Administration 3 Lower level elective 3

I. Mechanical Technology Track

Summer 7 hrs
ETI 3116 App Eng Quality Assurance 3
ETG 3541 Applied Mechanics 3
EET 4315C Applied Fluid Mech 4
ETI 4535 Technology Administration 3
ENGINEERING TECHNOLOGY -
OPERATIONS CONCENTRATION (B.S.E.T.)

College of Engineering and Computer Science
Engineering Technology (ENT) Department
http://ent.ucf.edu

Coordinator: Dr. Eduardo Divo, 407-823-4753,
E-mail: edivo@mail.ucf.edu

Admission Requirements: none

Degree Requirements:
- Students should check with their ENT advisor frequently to
  ensure that they are making proper progress toward the degree.
- A grade of “C” (2.0) or better is required in all prerequisites and
  upper level courses.

1. UCF General Education Program (36+2 hrs)
   - Communication Foundations
     9 hrs
     1. ENC 1101 & ENC 1102
     2. Prefer SPC 1603
   - Cultural and Historical Foundations
     9 hrs
     1. Select MAC 1105
     2. Select STA 2023
   - Mathematical Foundations
     6 hrs
     1. Select MAC 2311
     2. Select MAC 2312
     3. Select PHY 2554
   - Social Foundations
     6 hrs
     1. Select PHY 2553
     2. ANT 2511, BSC 1005, BSC 1050, GLY 1030,
        GEO 1200 or MCB 1310
   - Science Foundations
     8 hrs
     1. Select PHY 2553
     2. ANT 2511, BSC 1005, BSC 1050, GLY 1030,
        GEO 1200 or MCB 1310
     3. Select PHY 2554
     4. Select PHY 2053C
     5. Select PHY 2054C
     6. Select PHY 2555

2. Common Program Prerequisites (CPP) (6/8 hrs)
   (C (2.0) or better grades are required in all courses)
   - MAC 2253
     Calculus I
     3/4 hrs
   - or MAC 2311
     Calculus w/Analytical Geometry I

3. Engineering Technology Core Requirements (21 hrs)
   - ANT 2511, BSC 1005, BSC 1050, GEO 1200,
     GEO 2370, or GLY 1030
   - ENC 3241
     Writing for the Technical Professional
     3 hrs
   - MAC 1105
     College Algebra
     GEP
   - MAC 1114
     College Trigonometry
     3 hrs
   - MAC 2253
     Calculus I
     1 hr
   - or MAC 2311
     Calculus w/Analytical Geometry I
     2 hrs
   - MAP 3401
     Problem Analysis
     3 hrs
   - or MAC 2312
     Calculus w/Analytical Geometry II
     1 hr
   - PHY 2053C
     College Physics I
     4 hrs
   - or PHY 2034
     Calculus w/Analytical Geometry III
     3 hrs
   - or ETG 3543
     Applied Mechanics
     3 hrs
   - ETI 3671
     Technical Economic Analysis
     3 hrs
   - ETI 3916
     Applied Engineering Quality Assurance
     3 hrs
   - ETI 4635
     Technology Administration
     3 hrs
   - or ETI 4205
     Operations Management
     3 hrs
   - or ETI 4186
     Applied Reliability
     3 hrs
   - or ETI 4700
     Occupational Safety
     3 hrs
   - or ETI 4205
     Applied Logistics
     3 hrs
   - or ETG 4950C
     Senior Design Project
     3 hrs

4. Technical Specialization (60 hrs)
   (C (2.0) or better grades are required in all courses)
   - ETI 3543
     Programmed Logic Controllers
     3 hrs
   - CHM 102L
     General Chemistry/Lab
     4 hrs
   - CET 2364
     Systems Application in C++
     3 hrs
   - EET 3085C
     Electricity and Electronics
     4 hrs
   - STA 2023
     Statistical Methods I
     GEP
   - Approved Lower Level Technical Electives
     11 hrs

5. Departmental Graduation Requirement (3 hrs)
   (C (2.0) or better grades are required for all prerequisites)
   - ETG 4950C
     Senior Design Project

6. Foreign Language Requirements (0-8 hrs)
   - Admission:
     Two years of one foreign language in high school, or
     one year of one foreign language in college (or equivalent proficien-
     cy exam) prior to graduation.
   - Graduation:
     none

7. Approved Technical Electives
   Students should consult with the ENT Department for a list of
   the approved technical electives and the terms when specific courses
   of this type are to be offered.

8. University Minimum Graduation Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in
     residency at UCF
   - 25% of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP,
     Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the
     CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs: Engineering Technology (Operations Concentration)

Related Minors: Interdisciplinary Informatics Technology

Transfer Notes:
- Students transferring from any Florida public institution with an
  AA degree or with the general education program (GEP) require-
  ments of that institution met have thereby satisfied UCF GEP
  requirements.
- Students entering a UCF undergraduate program and having a
  previously earned baccalaureate degree from an accredited insti-
  tution have thereby satisfied UCF GEP requirements. (See also
  the section on the GEP found elsewhere in the Catalog.)
- Courses taken from Community Colleges do not substitute for
  Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency
  credit. The student must provide all supporting information to the
  ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least
  32 semester hours of regularly scheduled 3000- or 4000-level
  courses taken from the UCF ENT Department.
- PHY 2048/L and 2049/L substitute for PHY 2053C and PHY
  2054C respectively.
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student: $90 per term
- Part-time Student: $45 per term

Tentative Course Schedule for the Operations Concentration
The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree requirements in four years. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year
Fall 13 hrs
- ENC 1101 Composition I 3
- MAC 1105 College Algebra 3
- Biological science 4
- Cultural/Historical Foundation 3

Spring 13 hrs
- ENC 1102 Composition II 3
- CHM 1032 General Chemistry 4
- MAC 1114 Trigonometry 3
- Social Foundation 3

Sophomore Year
Fall 13/14 hrs
- SPC 1608 Oral Communications 3
- PHY 2053C College Physics I 4
- Cultural/Historical Foundation 3
- MAC 2253 Applied Calc I 3/4
  or MAC 2311 Calc w Anly Geo 3

Spring 12/13 hrs
- STA 2023 Statistical Methods 3
- MAP 3401 Prob Analysis 3/4
  or MAC 2312 Calculus II 3
  or MAC 2254 Applied Calc II 3
- ETI 3671 Tech Econ Analysis 3

Summer 10 hrs
- ETI 3116 App Eng Quality Assur 3
- ENC 3241 Writing Tech Pros 3

Lower level elective 4

Junior Year
Fall 16 hrs
- EET 3095C Electricity and Electro 4
- Lower level elective 4
- CET 2364 Sys Appl in C++ 3
- Social Foundation 3
- ETG 3541 Applied Mechanics 3
- ETD 3590C Appl CAD 3

Spring 16 hrs
- ETI 4645 Tech Admin 3
- Upper level elective 3
- ETI 4700 Occup Safety 3
- ETI 4440 Applied Proj Mgmt 3

Senior Year
Fall 15 hrs
- ETI 4205 App Logistics 3
- ETG 4950C Sr Design Proj 3
- ETI 4640 Operations Mgmt 3
- EST 3543C PLC 3
- Upper level elective 3
- Upper level elective 4

Spring 14 hrs
- ETI 4440 Applied Proj Mgmt 3
- ETI 4186 Applied Reliability 3
- Upper level elective 4
- Upper level elective 3

ENGLISH - CREATIVE WRITING (B.A.)

College of Arts and Humanities

English Department, CNH 405
http://english.cah.ucf.edu/
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in the major without prior approval from the department.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Honors in English Degree: Additional Requirements
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of honors thesis.

1. UCF General Education Program
   (36 hrs)
   - A. Communication Foundations
     - Select ENC 1101 and ENC 1102
     - Select ENC 1102 Fund of Oral Com
   - B. Cultural and Historical Foundations
     - Select one class from 1.B.1 list
     - Select LIT 2110 World Literature I
     - Select LIT 2120 World Literature II
   - C. Mathematical Foundations
     - Select MGF 1106 Finite Mathematics or MGF 1107
     - (may substitute a higher level math)
     - Select STA 1060C Statistics Using Excel
   - D. Social Foundations
     - 6 hrs
     - E. Science Foundations
     - 6 hrs

2. Common Program Prerequisites
   - ENC 1101* Composition I
   - ENC 1102* Composition II
   - *See Transfer Notes for possible substitutes
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements
   (6 hrs)
   - CRW 3013 Creative Writing for English Majors
   - ENG 3014 Theory & Tech of Literary Study
   - This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Literary History Requirement
   (12 hrs)
   - Choose four courses from these two groupings:
     a. Select at least one of these pre-1865 literature courses.
     - AML 3031 American Literature I
     - AML 3286 Early American Women's World
     - AML 3613 Narratives of Slavery
     - AML 3640 Native American Literature
     - AML 4304 Whitman & Heirs
     - ENL 2012 English Literature I
     - ENL 4220 English Renaissance Poetry and Prose
     - ENL 4230 Eighteenth Century Studies
     - ENL 4240 English Romantic Writers
     - ENL 4311 Chaucer
     - ENL 4333 Shakespeare
     - ENL 4341 Milton and His Age
     - LIT 4374 Literature of the Bible
     b. Select at least one of these post 1865 literature courses.
     - AML 3041 American Literature II
     - AML 3283 Contemp American Women's Fiction
     - AML 3614 Topics in African American Literature
     - AML 3615 Harlem, Haiti, and Havana
     - AML 3643 Contemp. Native American Prose and Poetry
     - AML 4101 American Novel
     - AML 4153 American Poetry at Mid-Century
     - AML 4155 Modern American Poetry
     - AML 4261 Literature of the South
     - AML 4265 Florida Writers
     - AML 4321 Modern American Literature
     - AML 4630 Latino/Latina Literature
     - ENL 2022 English Literature II
     - ENL 4101 English Novel
     - ENL 4253 The Victorian Age: Poetry
     - ENL 4252 Nineteenth Century British Prose
     - ENL 4273 Modern British Literature
     - LIT 3082 Continental European Fiction Since 1900
     - LIT 3192 Caribbean Literature
     - LIT 4043 Modern Drama as Literature
     - LIT 4184 Irish Literature
     - LIT 4303 Post-World War II Fiction
   - Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Restricted Electives
   (18 hrs)
   - Choose one of the following:
     - LIN 3010 Intro to Linguistics
     - LIN 4105 History of the English Language
     - LIN 4643 Cross Cultural Communication
     - LIN 4660 Linguistics and Literature
     - LIN 4680 Modern English Grammar
     - ENC 3211 Theory and Practice of Tech Writing
     - ENC 3241 Writing for the Technical Professional
     - ENC 3310 Magazine Writing I
     - ENC 3311 Advanced Expository Writing
     - ENG 3010 Practical Criticism
     - ENG 4554 Advanced Feminist Theory
   - Choose two of the following:
     - CRW 3120 Fiction Writing Workshop
     - CRW 3211 Creative Nonfiction Writing
     - CRW 3310 Poetry Writing Workshop
     - CRW 3610 Writing Scripts
6. Departmental Exit Requirements

Maintain a minimum GPA of 2.0 in upper division required courses

7. Foreign Language Requirements

Admission: Met by graduation requirement

Graduation: Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 36 hours of course work must be completed in residence at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Suggested Plan of Study:

One of numerous possible plans of study. See program description for more information.

UCF Degree Programs

Junior Year

Fall

ENG 3014 Theor Tech of St     3
CRW 4211* req# 5c-LitHis     3
Elec* Check restrictions     3
Elec* Check restrictions     3

Spring

ENL 2022* req# 5c-LitHis     3
CRW 3215* req# 6-LitHis      3
Elec* Check restrictions     3
Elec* Check restrictions     3
Elec* Check restrictions     3

Senior Year

Fall

LIN 4105* req# 5a-ResEl     3
CRW 4224* req# 5c-ResEl     3
Elec* Check restrictions     3
Elec* Check restrictions     3
Elec* Check restrictions     3

Spring

ENL 3610* req# 5d-ResEl     3
CRW 4224* req# 5c-ResEl     3
Elec* Check restrictions     3
Elec* Check restrictions     3
Elec* Check restrictions     3

ENGLISH LANGUAGE ARTS EDUCATION (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209

http://education.ucf.edu/englished/

Program Coordinator: Dr. Jeff Kaplan, ED 122B, 407-823-2041,

E-mail: jkaplan@mail.ucf.edu

Admission Requirements

Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university

Have a minimum 2.5 overall GPA

Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).

Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better

Meet the Gordon Rule Requirement.

Meet Foreign Language Admission Requirement.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

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

Suggested Plan of Study:

One of numerous possible plans of study. See program description for more information.

Freshman Year

Fall

ENC 1101 Composition I     3
HUM 1100* req# 5c-LitHis     3
MGF 1106* req# 5c-LitHis     3
POS 2041* req# 5c-LitHis     3

Spring

ENG 1101* req# 1E2-GEP     3
CRW 3013 Creativ Wr Eng Maj 3
LIT 2120 World Lit II 3
PSY 2012* req# 1D2-GEP 3
Elec* Check restrictions 3

Sophomore Year

Fall

BSC 1005* req# 1E2-GEP     3
LIT 2120 World Lit II 3
PSY 2012* req# 1D2-GEP 3
Elec* Check restrictions 3
SPN 1121* req# 1E2-GEP 3

Spring

ENG 3014 Theor Tech of St 3
CRW 4211* req# 5c-LitHis 3
Elec* Check restrictions 3
Elec* Check restrictions 3

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites

EDF 2005 Introduction to the Teaching Profession     3 hrs
EDF 2085 Introduction to Diversity for Educators     3 hrs
EME 2040 Introduction to Technology for Educators     3 hrs

Note: In addition to EDF 2085, a minimum of six hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

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

3. Other Program Requirements

EDF 2130 Child & Adolescent Development for Educators     3 hrs
LIT 2110 World Literature I     3 hrs
LIT 2120 World Literature II     3 hrs
ENL 2012 English Literature I     3 hrs
ENL 2022 English Literature II     3 hrs
4. Education Core Requirements (21 hrs)

EDG 4410** Teaching Strategies and Classroom Management  3 hrs
EDF 4467** Learning Theory and Assessment  3 hrs
EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools  3 hrs
TSL 4090** Theory and Practice of Teaching ESL 3 hrs
EEX 4242 Teaching Exceptional Students in Sec Settings  3 hrs
RED 4043 Content Reading Kindergarten through Gr 12  3 hrs
TSL 4240 Issues in Second Language Acquisition  3 hrs

**Prerequisite for Internship I

5. Specialization Requirements (21 hrs)

CRW 3013 Intro Creative Writing  3 hrs
ENG 3014 Theories of Literature  3 hrs
AML 3031 American Literature I  3 hrs
AML 3041 American Literature II  3 hrs
ENC 3311 Advanced Expository Writing  3 hrs
or LIN 4105 History of English Language

Upper Division Elective with RED, LAE, EDG, or EDF prefix  3 hrs
LAE 4464 Introduction to Adolescent Literature  3 hrs

Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4090 Theory and Practice of Teaching ESL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of *C* (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4090 Theory and Practice of Teaching ESL Students in Schools.

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

6. Internship I Block (9 hrs)

LAE 3940 Internship I  3 hrs
LAE 4360 English Instructional Analysis  3 hrs
LAE 4342 Teaching Language/Composition  3 hrs

All methods courses and at least 80% of all specialization courses must be completed with a letter grade of *C* (1.75) or better before registering for Internship I. 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 I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexps.

Satisfactory completion of Internship I 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.

Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

7. Internship II (12 hrs)

LAE 4941 Internship II  12 hrs

8. Foreign Language Requirements (0-8 hrs)

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

9. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.

Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

Complete a TESOL notebook as required for ESOL endorsement.

Pass all applicable sections of the Florida Teacher Certification Examination.

10. University Minimum Exit Requirements

A 2.0 UCF GPA
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residency at UCF
25% of course work must be completed in residency at UCF

Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Semester Hours Required  120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

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

12. Recommended Four Year Sequence of Courses

Freshman Year

Fall 12 hrs
EDF 2005 Intro to the Teaching Prof  3
ENC 1101 English Composition I  3
EME 2040 Intro to Tech for Educators  3
STA 2014C Principles of Statistic  3

Spring 12 hrs
EDF 2085 Intro to Diversity for Ed  3
ENC 1102 English Composition II  3
MGF 1106 Finite Mathematics  3
PSY 2012 General Psychology  3

Sophomore Year

Fall 15 hrs
AMH 2010 U.S. History 1492-1877  3
ANT 2511 The Human Species or BS 1005 Biological Principles  3
ENG 3014 Theories of Literature  3
LIT 2120 World Literature I  3

Spring 12 hrs
ENG 3311 Advanced Expository Writing  3
ENC 3311 Advanced Expository Writing  3
ENG 3311 Advanced Expository Writing  3
ENG 3311 Advanced Expository Writing  3

Junior Year

Fall 15 hrs
CRW 3013 Intro Creative Writing  3
TSL 4240 Issues in Second Language Acquisition  3
EDF 4467 Learn Theory & Assmt  3
EDG 4410 Teach Strat & Class Mgmt  3
LAE 4242 Intro to Adoil Literature  3

Spring 12 hrs
EDG 4603 Analysis & App of Eth, Legal, & Safe Issues in Sch  3
TSL 4240 Issues in Second Language Acquisition  3
EDG 4410 Teach Strat & Class Mgmt  3
LAE 4242 Intro to Adoil Literature  3

Senior Year

Fall 12 hrs
LAE 3940 Internship I  3
LAE 4360 Eng Instructional Anal  3
LAE 4342 Teach Lang/Composition  3
EEX 4242 Teach Ex Stud in Sec Settings  3

Spring 12 hrs
LAE 4464 Introduction to Adolescent Literature  3
LAE 4360 Eng Instructional Anal  3
LAE 4342 Teach Lang/Composition  3
EEX 4242 Teach Ex Stud in Sec Settings  3

ENGLISH - LITERATURE (B.A.)

College of Arts and Humanities

English Department, CNH 405
http://english.cah.ucf.edu

Contact: D. Wallace, 407-823-2212

Admission Requirements

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students must earn at least a "C" (2.0) in each required course.
UCF Degree Programs

- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Honors in English Degree: Additional Requirements (9 hrs)
Application and admission through the English Honors Committee and the Honors College
Fulfills University requirements for Honors in the Major
Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
Successful completion and oral defense of honors thesis

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      Select ENC 1101 and ENC 1102
      Prefer SPC 1508 Fund of Oral Com
      6 hrs
   B. Cultural and Historical Foundations
      Select one class from 1.B.1 list
      Prefer LIT 2110 World Literature I
      Prefer LIT 2120 World Literature II
      3 hrs
   C. Mathematical Foundations
      Select MGF 1106 Finite Mathematics or MGF 1107
      (may substitute a higher level math)
      Prefer STA 106C Statistics Using Excel
      3 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites
   ENC 1101*Composition I
   ENC 1102*Composition II
   GEP
   *See Transfer Notes for possible substitutes
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core - Gateway Courses (6 hrs)
   a. Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses
      ENG 3014 Theory & Tech of Literary Study
      3 hrs
   b. Choose one gateway course:
      CRW 3013 Creative Writing for English Majors
      ENC 3211 Theory & Practice of Tech Writing
      3 hrs

4. Literary History Requirement (15 hrs)
   Choose five courses from the two groupings
   a. Select at least two of these pre-1865 literature courses.
      AML 3031 American Literature I
      AML 3286 Early American Women's Words
      AML 3613 Narratives of Slavery
      AML 3640 Native American Literature
      AML 4304 Whitman & Heirs
      ENL 2012 English Literature I
      ENL 4220 English Renaissance Poetry and Prose
      ENL 4230 Eighteenth Century Studies
      ENL 4240 English Romantic Writers
      LIT 4374 Literature of the Bible
      3 hrs
   b. Select at least two of these post 1865 literature courses
      AML 3041 American Literature II
      AML 3283 Contemp American Women's Fiction
      AML 3614 Topics in African American Literature
      AML 3615 Harlem, Haiti, and Havana
      AML 3643 Contemp. Native American Prose and Poetry
      AML 4101 American Novel
      AML 4153 American Poetry at Mid-Century
      AML 4155 Modern American Poetry
      AML 4261 Literature of the South
      AML 4265 Florida Writers
      AML 4271 Latin American American Literature
      AML 4630 Latino/Latina Literature
      ENL 2022 English Literature II
      ENL 4101 English Novel
      ENL 4253 The Victorian Age: Poetry
      ENL 4262 Nineteenth Century British Prose
      ENL 4273 Modern British Literature
      LIT 3002 Continental European Fiction Since 1900
      LIT 3192 Caribbean Literature
      LIT 4043 Modern Drama as Literature
      LIT 4184 Irish Literature
      LIT 4303 Post-World War II Fiction
      3 hrs

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Upper Division Requirements (15 hrs)
   a. Choose one single author or major author course
      3 hrs
   b. Choose one linguistics or theory course
      3 hrs
   c. Choose three upper level courses
      9 hrs

6. Departmental Exit Requirements
   Maintain a minimum GPA of 2.0 in upper division required courses.
   Computer Competency met by completion of ENG 3014.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
   Standardized examinations for foreign languages may be used to meet the requirement.
   With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

   Total Semester Hours Required 120 hrs

Related Programs: Creative Writing, Technical Communication
Related Minors: Creative Writing, Linguistics, Technical Communication, Writing

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites to the BA in Literature if taken prior to transferring to UCF:
- ENC 1101* & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

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

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
ENGLISH - TECHNICAL COMMUNICATION (B.A.)
College of Arts and Humanities
English Department, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Admission Requirements: no

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.

Honors in English Degree: Additional Requirements: (9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of honors thesis.

1. UCF General Education Program: (36 hrs)
   A. Communication Foundations
      - Select ENC 101, ENC 102
      - Select 3 hrs
   B. Cultural and Historical Foundations
      - Select 3 hrs
   C. Mathematical Foundations
      - Select 3 hrs
      - Prefer MGF 1106 Finite Mathematics
   D. Social Foundations
      - Select 3 hrs
   E. Science Foundations
      - Select 3 hrs

2. Common Program Prerequisites
   - ENC 1101 Composition I
   - ENC 1102 Composition II
   - MGF 1106 Finite Mathematics
   - SPN 1120C
   - STA 1060C
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core courses - Basic: (6 hrs)
   Choose one of the following:
   - ENC 3211 Theory & Practice of Technical Writing 3 hrs
   - ENC 3241 Writing for the Technical Professional
   Choose one of the following:
   - ENG 3014 Theory & Tech of Literary Study
   - CRW 3013 Creative Writing for English Majors

4. Literary History Requirement: (9 hrs)
   Choose three courses from these two groupings
   a. Select at least one of these pre-1865 literature courses.
      - AML 3041 American Literature I
      - AML 3283 Contemp American Women's Fiction
      - AML 3643 Contemp, Native American Prose and Poetry
      - AML 4101 American Novel
      - AML 4153 American Poetry at Mid-Century
      - AML 4155 Modern American Poetry
      - AML 4261 Literature of the South
      - AML 4265 Florida Writers
      - AML 4321 Modern American Literature
      - AML 4437 Latin/Latina Literature
      - ENL 2022 English Literature II
      - ENL 4101 English Novel
      - ENL 4253 The Victorian Age: Poetry
      - ENL 4262 Nineteenth Century British Prose
      - ENL 4273 Modern British Literature
      - LIT 3082 Continental European Fiction Since 1900
      - LIT 3192 Caribbean Literature
      - LIT 4043 Modern Drama as Literature
      - LIT 4184 Irish Literature
      - LIT 4303 Post-World War II Fiction
   b. Select at least one of these post 1865 literature courses
      - AML 3041 American Literature I
      - AML 3283 Contemp American Women's Fiction
      - AML 3643 Contemp, Native American Prose and Poetry
      - AML 4101 American Novel
      - AML 4153 American Poetry at Mid-Century
      - AML 4155 Modern American Poetry
      - AML 4261 Literature of the South
      - AML 4265 Florida Writers
      - AML 4321 Modern American Literature
      - AML 4437 Latin/Latina Literature
      - ENL 2022 English Literature II
      - ENL 4101 English Novel
      - ENL 4253 The Victorian Age: Poetry
      - ENL 4262 Nineteenth Century British Prose
      - ENL 4273 Modern British Literature
      - LIT 3082 Continental European Fiction Since 1900
      - LIT 3192 Caribbean Literature
      - LIT 4043 Modern Drama as Literature
      - LIT 4184 Irish Literature
      - LIT 4303 Post-World War II Fiction

5. Core Requirements - Advanced: (15 hrs)
   - ENC 4280 Technical Writing Style 3 hrs
   - ENC 4293 Documentation and the Collaborative Process 3 hrs
   - ENC 4294 Documentation and Client-Based Collaboration 3 hrs
   - LIT 4433 Literature of Science and Technology 3 hrs
   Choose one of the following:
   - ENC 4215 Technical Publication and Project Management 3 hrs
   - ENC 4218 The Visual in Technical Communication 3 hrs

6. Restricted Upper Division Electives: (3 hrs)
   Choose one of the following:
   - ENC 4941 Technical Writing & Editing Internship

7. Departmental Exit Requirements
   - Maintain a minimum GPA of 2.0 in upper division required courses
   - Computer competency met by completion of ENC 4293

8. Foreign Language Requirements: (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.
9. Electives (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

10. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Creative Writing, Literature
Related Minors: Creative Writing, Literature, Linguistics, Technical Communication, Writing

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide
- Acceptable Substitutes for common program prerequisites to the BA in Technical Writing if Social Science Courses   GEP
- ENC 1101 & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

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

ENVIRONMENTAL ENGINEERING (B.S.Env.E.)

College of Engineering and Computer Science
Civil, Environmental, and Construction Engineering
Department (CECE)

ENG2 211, 407-823-2841; Fax: 407-823-3315
http://www.cece.ucf.edu

Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-mail: cpoahl@mail.ucf.edu; Environmental Program Director: Andrew A. Randall, Ph.D., P.E., E-mail: randall@mail.ucf.edu

Admission Requirements: none

Degree Requirements:
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program for Engineering Students
   The UCF General Education Program (GEP) is described in the Catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A, through E, below to minimize excess hours.
   - Students transferring to UCF from within the Florida State University/Civil Engineering Majors must satisfy both an Earth Science and Biological Science requirements. See "Common Prerequisites" in the Transition and Transitions Services section for more information.

2. Common Program Prerequisites (CPP’s)
   There are specific requirements 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.

3. Courses Required for the Major
   The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do satisfy major requirements and normally are awarded grades of I, S, or U. A "C" (2.0) better is required for those courses in section 3. marked with an asterisk(*).

4. Approved Technical Electives
   Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult the CECE Web site and their assigned academic advisor for a list of approved technical electives and the terms when specific courses of this type are to be offered.

5. Departmental Graduation Requirements
   Approved EnVE Design Course I
   Approved EnVE Design Course II
   Earn a minimum graduating GPA of 2.250 in the Major Courses from item 3. above, the technical electives from item 4. above, and the Approved EnVE Design Courses.
   EnVE students must take the Fundamentals of Engineering Exam during their Senior year.
6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or
one year of one foreign language in college (or equivalent proficien-
y exam) prior to graduation.
Graduation: none

7. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in
  residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, 
  Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, 
  the CLAST, and nine semester hours of Summer credit (if appli-
  cable).
Total Semester Hours Required: 128 hrs
Related Programs: Chemistry, Civil Engineering, Construction
Engineering.
Related Minors: Chemistry, Environmental Studies, Mathematics,
Engineering Leadership, Bioengineering.
Transfer Notes:
- Courses taken from Community Colleges do not substitute for
  Upper Division Courses unless part of an articulated pre-engi-
  neering degree program.
- Courses transferred must be formally evaluated for equivalency
  credit. The student must provide all supporting information with
  his/her petition for this evaluation.
- Courses transferred into the major must have a minimum grade
  of “C” (2.0).
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning
  outcomes) for undergraduate programs are located at:
  http://www.ucf Academic Learning Compacts.htm
Equipment Fee
- Full-time Student ........................................... $90 per term
- Part-time Student ........................................... $45 per term
Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those
students who plan on completing their degree in four years. All engi-
neering students should meet with their departmental academic advi-
sor to develop and maintain an appropriate plan of study.
Environmental Engineering - 128 semester hours required
FIRST YEAR
Fall 14 hrs1,2  Spring 15 hrs1,2
*ENC 1101 English Comp I 3  *ENC 1102 English Comp II 3
*MAC 2311 Calc w/Analy Geo I 4  *MAC 2312 Calc w/Analy Geo II 4
*ECO 2013 Macroeconomics or
  ECO 2023 Microeconomics 4  *PHY 2048L Phys Engr I w/lab 4
*Biological Science 3  *Physics Science 3
*Elective 1  *Elective 1
EGN 1006C Intro to Eng 1
EGN 1007C Eng Conc & Meth 1
SECOND YEAR
Fall 16 hrs 1  Spring 17 hrs 1
*MAC 2313 Calc w/Analy Geo III 4  *MAP 2302 Diff Equations 3
*CHM 2045C Chemistry Funds I 4  *CHM 246L Chem Fund I/lab 4
*HUM/AMH/HEUH I 3  *PHY 2049L Phys Engr &Sci I 4
EGN 3310 Engr Anal-Statics 3  *HUM/AMH/HEUH II 4
EGN 3613 Engring Econ Anal 3  *EGN 3211 Engr Anal-Dynamics 3
Summer 9 hrs 1  Winter 9 hrs 1
*HFT 3933 Distinguished Hospitality Lectures 1
EGN 3343 Thermodynamics 3  EEN 3601 Intro to Environ Eng 3
THIRD YEAR
Fall 16 hrs  Spring 16 hrs
CWR 3201 Engr Fluid Mech 3  CWR 4101C Hydrology 3
EGN 3331 Mech of Materials 3  CWR 4203C Hydraulics 3
STA 3032 Prob/fstis for Eng 3  Technical Elective 4
ENV 4341 Solid/Haz Waste 4  *Cultural Elective 3
CCE 4000 Intro to Constr Indus 3  EGN 3313 Prin Elec Eng 3
FOURTH YEAR
Fall 13 hrs  Spring 13 hrs
ENV 4120 Air Pollution Control 3  Approved Proj Design Course 3
EN 4561 Process Design 4  EES 4111C Biolgicl Proc Cntl 3
EES 4202C Chmcl Proc Control 3  Technical Elective 4
Approved Proj Design Course 3  *ANT/PSY/PSY 3
Notes:
1. Courses marked with an asterisk (*) are also available from most Community
  Colleges and are often part of their Pre-Engineering AA programs. Most of these
  courses are part of the UCF General Education Program; see the section on the
  GEP elsewhere in the Catalog for further information.
2. EGN 1006C and EGN 1007C are required courses for incoming freshmen only.
   The credits for these two courses (one hour each) may, with prior approval of
   the department academic advisor, be moved to the area 4. Approved Technical
   Electives.
3. Students must earn a minimum grade of “C” (2.0) in EGN 3110 or its equivalent
   and ENV 3011 or its equivalent before registering for subsequent courses.
BS to PhD Program
The Environmental Engineering program offers the opportunity for
exceptionally well qualified undergraduates to enter directly into
the PhD program after completion of an appropriate BS degree. This
option allows outstanding undergraduates to begin planning a
research program with a specific faculty advisor even before finish-
ning the BS, and may allow completion of the PhD in a shorter time
period than by taking a separate Master’s followed by the PhD.
ENVIRONMENTAL STUDIES TRACK
See Interdisciplinary Studies – Environmental Studies Track
EVENT MANAGEMENT (B.S.)
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam
1. UCF General Education Program (GEP) (36 hrs)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
  Select MAC 1105 College Algebra 3 yrs
  Select CGS 2100C College Fundamentals for Bus or
  STA 2023 Statistical Methods I 3 yrs
D. Social Foundations
  Select ECO 2013 Macroeconomics or
  ECO 2023 Microeconomics 3 yrs
  Select one: PSY 2012, SYG 2000, ANT 2000 3 yrs
E. Science Foundation 6 hrs
2. Common Program Degree Requirements (3 hrs)
HFT 1000 Introduction to Hospitality Management 3 hrs
See “Common Prerequisites” in the Transfer and Transitions Services section for
more information.
3. Foundations
Quantitative Tools
  CGS 2100C Computer Fundamentals of Business (GEP)
  or STA 2023 Statistical Methods I
  or ECO 2013 Macroeconomics
  or ECO 2023 Microeconomics
  or MAC 1105 College Algebra (GEP)
4. Hospitality Management Core
   (25 hrs)
HFT 2401 Hospitality Financial Accounting 3 hrs
HFT 2500 Hospitality Marketing 3 hrs
HFT 2220 Hospitality Human Resources 3 hrs
HFT 2254 Lodging Operations 3 hrs
HFT 3431 Hospitality Managerial Accounting 3 hrs
HFT 3540 Guest Services Management 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4454 Hospitality Industry Finance 3 hrs
HFT 3933 Distinguished Hospitality Lectures 1 hr
5. Internship
   (3 hrs)
HFT 3940 Internship I 1 hr
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr
UCF Degree Programs

6. Event Management Core (27 hrs)
   - HFT 2750 The Event Industry 3 hrs
   - HFT 3670 Event Promotion 3 hrs
   - HFT 3443 Event Technology 3 hrs
   - HFT 3792 Event Design & Production 3 hrs
   - FSS 2221C Quantity Food Production 3 hrs
   - HFT 4802 Catering Management 3 hrs
   - HFT 4757 Event Management I 3 hrs
   - HFT 4791 Event Management II 3 hrs

7. Special College Requirements:
   - Final exams will be given during Final Exam Week only.
   - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

8. Restricted Electives (15 hrs)
   Choose any five courses from the list below
   - HFT 3741 Meeting Management 3 hrs
   - HFT 4754 Exhibit and Trade Show Operations 3 hrs
   - HFT 3517 Convention Sales 3 hrs
   - HFT 4753 Convention Services 3 hrs
   - HFT 4795 Entertainment Arts and Events 3 hrs
   - HFT 3798 Fairs and Festivals 3 hrs
   - HFT 4561 Destination Marketing 3 hrs
   - HFT 4736 Destination Management 3 hrs
   - HFT 4795 International Events 3 hrs
   - HFT 4737 Advanced Trade Show Management 3 hrs

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

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

11. Unrestricted Electives (3-11 hrs)
    As necessary to result in 120 total credit hours.

Total Semester Hours Required 120 hrs

Community/Junior College Transfer Notes

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Program Academic Learning Compacts

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

Equipment Fee
- Full-time Student .............................................. $75 per term
- Part-time Student ............................................. $37.50 per term

FOUR YEAR PLAN OF STUDY FOR EVENT MANAGEMENT*

*Plan your required nine summer credit hours into your course of study.

Freshman Year
- Fall
   - ENC 1101 3 hrs
   - Cult/Hist Found Seq. I 3 hrs
   - CGS 2100C 3 hrs
   - HFT 1000 3 hrs
   - PSY 2012, SYG 2000 or AN 2000 3 hrs
- Spring
   - ENC 1102 3 hrs
   - ENC 1103 3 hrs
   - MAC 1105 3 hrs
   - HFT 2750 3 hrs

Sophomore Year
- Fall
   - Science Found I 3 hrs
   - ECO 2023 or ECO 2023 3 hrs
   - HFT 2500 3 hrs
   - HFT 3443 Event Tech 3 hrs
   - HFT 3670 Hos/Event Risk 3 hrs

- Spring
   - Science Found II 3 hrs
   - HFT 2220 3 hrs
   - HFT 2401 3 hrs
   - Cult/Hist Foundation 3 hrs
   - HFT 3512 Event Promo 3 hrs

Junior Year
- Fall
   - HFT 3792 Event Design 3 hrs
   - FSS 2221C 3 hrs
   - HFT 3431 3 hrs
   - HFT 2254 3 hrs
   - HFT 3940 1 hrs
   - HFT 3540 3 hrs

- Spring
   - HFT 4812 3 hrs
   - HFT 4286 3 hrs
   - HFT 4464 3 hrs
   - HFT 4941 1 hrs
   - Hosp Event Elective 3 hrs
   - Hosp Event Elective 3 hrs

Senior Year
- Fall
   - HFT 4757 3 hrs
   - HFT 4944 1 hrs
   - HFT 3933 3 hrs
   - Hosp Event Elective 3 hrs
   - Free electives 6 hrs

- Spring
   - HFT 4791 Event Mgmt II 3 hrs
   - Hosp Event Elective 3 hrs
   - Hosp Event Elective 3 hrs
   - Free electives 5 hrs

EXCEPTIONAL STUDENT EDUCATION (B.S.)

College of Education

Department of Child, Family and Community Sciences

ED 209

http://www.education.ucf.edu/

Program Contact: Linda Alexander, 407-823-2598;
E-mail: lalexand@mail.ucf.edu;
Program Coordinator: Dr. Lee Cross; E-mail: lcross@mail.ucf.edu

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements

- Students should seek advising through the Exceptional Education faculty prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.
- Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for available test dates and test sites.
- FTCE General Knowledge Test (GKT) – Passing score required prior to Internship I
- FTCE Professional Education Test (PED).
- FTCE Subject Area Examination for Exceptional Student Education K-12.
- Must take and pass one of the following content area subject area examinations
  - Elementary K-5
  - Secondary 6-12
  - Integrated Curriculum 6-9
- Students must earn a “C-”(1.75) or better in each required Exceptional Education course

1. UCF General Education Program (36 hrs)
   - Communication Foundation (9 hrs)
     - 1. ENC 1101 English Composition I 3 hrs
     - 2. ENC 1102 English Composition II 3 hrs
B. Cultural-Historical Foundation

1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
2. Prefer: Lit 2110 World Literature I, or Lit 2120 World Literature II, or PHI 2030 Introduction to Philosophy, or REL 2300 World Religion 3 hrs
3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs

C. Mathematical Foundation

1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

D. Social Foundation

1. Prefer: POS 2041 American National Government 3 hrs
2. Prefer: PSY 2012 General Psychology 3 hrs

E. Science Foundation

1. Prefer: PSC 1121 Physical Science 3 hrs
2. Prefer: ANT 2101 The Human Species or BSC 1005 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites

(9 hrs)

EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement. See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Other Program Requirements

(15 hrs)

EDF 2130* Child and Adolescent Development for Educators 3 hrs
EDF 2720* Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
EDF 2010 Introduction to Special Education 3 hrs
EDF 2758* Enhancing Family Involvement in Education 2 hrs
MAE 2801 Elementary School Mathematics 4 hrs

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Exceptional Education Program Recommended Sequence of Required Courses

Exceptional Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. Students majoring in Exceptional Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Exceptional Education major’s program and to integrate theory and practice in actual school settings. Throughout the Exceptional Education program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty.

Semester I

(EDE 4410* 3 hrs)
EDG 4410* Teaching Strategies and Classroom Management 3 hrs
EEX 3241* Methods of Academic Skills for Exceptional Students 3 hrs
RED 3012* Basic Foundations of Reading 3 hrs
TSL 4080* Theory and Practice of Teaching ESOL 3 hrs

*Courses to be taken prior to Internship I

Semester II

(EDE 4467 3 hrs)
EDF 4467 Learning Theory and Assessment 3 hrs
EEX 3243 Techniques for Exceptional Adolescents and Adults 3 hrs
LAE 4314 Language Arts in Elementary School 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
RED 4519 Diagnostic & Corrective Reading Strategies 3 hrs

Please note: It is strongly recommended to take the Professional Education Test (PdE) portion of the FTCE during Semester II

Semester III (Summer)

(EED 3221 3 hrs)
EEX 3221 Assessment of Exceptional Students 3 hrs
EED 4066 Curriculum, Theory & Instructional Strategies for Students with Special Needs 3 hrs

* Please note: It is required to take the Professional Education Test (PdE) after completion of Semester I and II, but prior to Semester III and IV. It is required to take the Exceptional Student Education (ESE) Subject Area Exam portion of the Florida Teacher Certification Exam (FTCE) during Semester III and prior to Semester IV.

Note: 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/

*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 I.

Semester IV

(15 hrs)

EEX 3942 Internship I 3 hrs
EEX 4601* Introduction to Behavior Management 3 hrs
EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
RED 4942 Pract for Assessment and Instruct of Reading 3 hrs

Methods Content Area Course I – Select one from:

- 3 hrs

(In addition to Semester II)

SCE 3310 Teaching Science in Elementary School 3 hrs
SSE 3312 Teaching Social Science in the Elementary School 3 hrs
LAE 3414 Literature for Children 3 hrs
MAE 4326* How Children Learn Mathematics 3 hrs

*To enroll in these courses, you must be registered for EEX 3942 Internship I.

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

- A passing score on all applicable sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional Education Test, and Subject Area Examination for Exceptional Student Education K-12) is strongly recommended before entry into student teaching (EEX 4943 Internship II).

Semester V

(12 hrs)

EEX 4943 Student Teaching – Internship II 9 hrs

Methods Content Area Course II – Select one from:

- 3 hrs

SCE 3310 Teaching Science in Elementary School 3 hrs
SSE 3312 Teaching Social Science in the Elementary School 3 hrs
LAE 3414 Literature for Children 3 hrs

- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.005.

- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional specialization and overall for admission to Internship II.

5. Foreign Language Requirements

(0-8 hrs)

State University System foreign language admission requirement:

- Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

6. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.

- Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

- Complete a TESOL notebook as required for ESOL Endorsement.

- Pass all applicable sections of the Florida Teacher Certification Examination (FTCE).

7. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 48 semester hours of upper division credit completed

- 30 of the last 36 hours of course work must be completed in residency at UCF

- 25% of course work must be completed in residency at UCF

- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required

120 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

9. Recommended Four-Year Sequence of Courses

Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

UCF Degree Programs
## UCF Degree Programs

### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Intro to the Teaching Prof</td>
<td>3</td>
<td>EDF 2085 Intro to Diversity for Ed</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101 English Composition I</td>
<td>3</td>
<td>ENC 1102 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3</td>
<td>EDF 2130 Child and Alien Dev Ed</td>
<td>3</td>
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<tr>
<td>PSY 2012 General Psychology</td>
<td>3</td>
<td>PSC 1121 Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>REL 2300 World Religions</td>
<td>3</td>
<td>REL 2110 World Lit I</td>
<td>3</td>
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<tr>
<td>FIL 2110 Intro to Philosophy</td>
<td>3</td>
<td>FIL 2120 World Lit II</td>
<td>3</td>
</tr>
<tr>
<td>FILM 2030* History of the Motion Pictures</td>
<td>3</td>
<td>EEX 2758* Enhance Fam Involve Ed</td>
<td>2</td>
</tr>
<tr>
<td>EEX 2758* Enhance Fam Involve Ed</td>
<td>2</td>
<td>EEX 2758* Enhance Fam Involve Ed</td>
<td>2</td>
</tr>
<tr>
<td>POS 2041 American National Gov</td>
<td>3</td>
<td>EME 2040 Intro to Tech for Educators</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>6 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POS 2041 American National Gov</td>
<td>3</td>
<td>EME 2040 Intro to Tech for Educators</td>
<td>3</td>
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</table>

### Sophomore Year

<table>
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<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPH 1006 Fund of Oral Comm</td>
<td>3</td>
<td>ANH 2020 U.S. History 1877-present</td>
<td>3</td>
</tr>
<tr>
<td>ANH 2010 U.S. History 1492-1877</td>
<td>3</td>
<td>MGF 2010 Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511 The Human Species or</td>
<td>3</td>
<td>EDF 2720 Child in Sch: Legal, Ethical and Safety Concerns</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005 Biological Principles</td>
<td>3</td>
<td>STA 2104C Princ of Stats or</td>
<td>3</td>
</tr>
<tr>
<td>STA 1060C Basic Stats using MS Excel</td>
<td>3</td>
<td>STA 2104C Princ of Stats or</td>
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<td>RED 1001 Intro to Special Ed</td>
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<tr>
<td>Summer</td>
<td>3 hrs</td>
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<tr>
<td>EEX 2100 Intro to Special Ed</td>
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</table>

*Note: A passing score on the FTCE General Knowledge Test (GKT) portion of the Florida Teacher Certification Examination is required prior to admission to the Exceptional Education Program.

### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4410 Teach Strat &amp; Class Mgmt</td>
<td>3</td>
<td>EEX 3243 Techniques for Except</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4080 Theory &amp; Prac of Teach</td>
<td>3</td>
<td>RED 4191 Curr, Theory &amp; Instruct</td>
<td>3</td>
</tr>
<tr>
<td>ESOL Students in Schools</td>
<td>3</td>
<td>RED 4191 Curr, Theory &amp; Instruct</td>
<td>3</td>
</tr>
<tr>
<td>EEX 3241 Methods of Academic Skills for Except Students</td>
<td>3</td>
<td>EEX 3242 Methods of Academic Skills for Except Students</td>
<td>3</td>
</tr>
<tr>
<td>RED 3012 Basic Found of Read</td>
<td>3</td>
<td>RED 4191 Curr, Theory &amp; Instruct</td>
<td>3</td>
</tr>
<tr>
<td>Note: It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE during Semester II.</td>
<td></td>
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</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4769 Tech for Classroom Teach of Students with Special Needs</td>
<td>3</td>
<td>EEX 4940 Student Teaching - Internship I</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4601 Intro to Behavior Management</td>
<td>3</td>
<td>Select Methods Content I*</td>
<td>3</td>
</tr>
<tr>
<td>EEX 3942 Internship</td>
<td>3</td>
<td>Select Methods Content I*</td>
<td>3</td>
</tr>
<tr>
<td>RED 4942 Pract for Assess</td>
<td>3</td>
<td>Select Methods Content I*</td>
<td>3</td>
</tr>
<tr>
<td>Note: It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.</td>
<td></td>
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</tr>
</tbody>
</table>

### Notes:
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details or visit the Web site, http://www.film.ucf.edu.
- Students who change degree programs and select this major must adopt the most current catalog.
- All students are required to pay a fee for equipment insurance.
- The Film BFA demands a closely integrated curriculum.
- Therefore, transfers are not generally encouraged to pursue a BFA program. However, exceptionally talented students who have completed the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System may be admitted.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (36 hrs)
- A. Communication Foundations
  - FIL 3803C Film Theory and Criticism I | 3 hrs
  - FIL 3803C Film Theory and Criticism II | 3 hrs
- B. Cultural and Historical Foundations
  - Prefer one class from 1.B.1 list |
  - Prefer one class from 1.B.2 list |
  - Prefer one class from either 1.B.1 or 1.B.2 |
- C. Mathematical Foundations
  - Select MGF 1106 or MGF 1107 |
  - (may substitute a higher level math) |
  - Prefer CGS 1060C or STA 1060C |
- D. Social Foundations
  - 6 hrs |
  - 6 hrs |
- E. Science Foundations
  - Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of six hours of independent Study may be substituted with advisor’s prior approval.
- 5. Upper Level Restricted Electives (12 hrs)
  - Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of six hours of independent Study may be substituted with advisor’s prior approval.
- 5. Upper Level Restricted Electives (12 hrs)
  - Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of six hours of independent Study may be substituted with advisor’s prior approval.

### FILM - B.F.A.

**College of Arts and Humanities**

**Film, NSC 121, 407-823-4285**


**E-mail: film@mail.ucf.edu**

Department Chair: S. Schlow, 407-823-2845
FIL 4436 Film Theory
FIL 4126C Genre Writing
FIL 4906 Independent Study

- **Cinema Studies**
  - FIL 3880C Women in Film
  - FIL 3831 Black Cinema
  - FIL 3804C Film Theory and Criticism II
  - FIL 3847 Latin American Cinema
  - FIL 3845 World Cinema Traditions
  - FIL 3051 Avant-Garde Cinema
  - FIL 3826 American Cinema
  - FIL 3823 German Film
  - FIL 3822 French Film
  - FIL 3824 Italian Neo-Realist Cinema
  - FIL 3820 Film and Society
  - FIL 3821 Film History
  - FIL 3825 Film Studies
  - FIL 4436 Film Theory/Film/Production

- **Digital Cinema**
  - ART 2820 Art as Interface
  - ART 3618C Post-Production Design
  - COP 3920C Computer Science I
  - DIG 4855C Converging Media
  - DIG 3138C Digital Imagery
  - DIG 4700C Digital Rhetoric & Modern Dialectic
  - ENC 4415 Digital Rhetoric & Modern Dialectic
  - DIG 3134 Internet Software Design
  - MUC 3311 MIDI Sequencing I

6. **Capstone Courses** (6 hrs)
   - FIL 4434C Capstone I: 3 hrs
   - FIL 4435C Capstone II: 3 hrs

7. **Departmental Exit Requirements**
   - A student must maintain an overall average of “B” (3.0) or better in major courses.
   - Computer competency met by CGS 1060C or STA1060C or FIL 2552.
   - Department of Film requires an exit interview.

8. **Foreign Language Requirements** (0-8 hrs)
   - **Admission:** Met by graduation requirement
   - **Graduation:** Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. **Electives** (variable)
   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

10. **University Minimum Exit Requirements**
    - A 2.0 UCF GPA.
    - 60 semester hours earned after CLEP awarded.
    - 48 semester hours of upper division credit completed.
    - 30 of the last 36 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

**Total Semester Hours Required** 120 hrs

**Related Programs:** Animation, Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre, Radio/TV, World Cinema

**Related Minors:** Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre

**Transfer Notes:**
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable substitutes for Common Program Prerequisites**
- FIL 2030 may substitute FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
- FIL 1007 may use any introductory film writing course. However, FIL 1007 is a prerequisite for all major courses and must be taken.

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fee**
- Full-time Student: $90 per term
- Part-time Student: $45 per term

**FILM - CINEMA STUDIES TRACK (B.A.)**

**College of Arts and Humanities**

Film, COMM 121, 407-823-4285
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu

**Department Chair:** S. Schlow, 407-823-2845

**Admission Requirements**

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of “B” (3.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entree into the BFA Film Program.
- Co-op or internship credit cannot be used in this major.
- Students must consult with a departmental advisor each semester.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program** (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations
     - Prefer one course from 1.B.1 list 3 hrs
     - Prefer FIL 2030 3 hrs
     - Prefer one course from 1.B.1 or 1.B.2 list 3 hrs
   - C. Mathematical Foundations
     - Select MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
     - Prefer CGS 1060C or STA1060C 3 hrs
   - D. Social Foundations 6 hrs
   - E. Science Foundations 6 hrs

2. **Common Program Requirements** (3 hrs)
   - FIL 2030* History of the Motion Pictures GEP
   - FIL 1007* Foundations of Story

*See Transfer Notes for possible substitutes
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. **Core Requirements** (48 hrs)
   - DIG 2000 Introduction to Digital Media 3 hrs
   - FIL 1008 Cinematic Expression/Aesthetics 3 hrs
   - FIL 2107 Script Analysis 3 hrs
   - FIL 2423 Foundations of Production 3 hrs
   - FIL 3006 Art of the Cinema 3 hrs
   - FIL 3102 Writing for Film and TV or FIL 3115 Short Script 3 hrs
   - FIL 3462C Cinematic Expression 3 hrs
   - FIL 3363C Film Documentary 3 hrs
   - FIL 3036 Film History I 3 hrs
   - FIL 3037 Film History II 3 hrs
   - FIL 3051 Avant-Garde Cinema 3 hrs
   - FIL 3802C Film Theory and Criticism I 3 hrs
   - FIL 3804C Film Theory and Criticism II 3 hrs
   - FIL 3845 World Cinema Traditions 3 hrs
   - FIL 3826 American Cinema 3 hrs
   - FIL 4661 The Film Producer 3 hrs
4. Restricted Upper Division Electives (9 hrs)
Select three courses from the following upper level FIL courses:
DIG 4855C Converging Media
DIG 4704C Interactive Entertainment
FIL 3850 Cinema Director
FIL 3880C Women in Film
FIL 3041 History of Animated Films
FIL 3831 Black Cinema
FIL 3841 French New Wave Cinema
FIL 3824 Italian Neo-Realism Cinema
FIL 3847 Latin American Cinema
FIL 3841 International Cinema
FIL 3820 Italian Film
FIL 3822 French Film
FIL 3823 German Film
FIL 3825 Cinema Criticism (writing)
FIL 3871 American Film Artist
FIL 4436 Film Theory/Film Production
FIL 4906 Independent Study
FIL 5812 Film and Internet Business

5. Required Minor (18 hrs min)
Must be taken outside the Film Department.

A. Cultural and Historical Foundations
- FIL 1007* Foundations of Story 3 hrs
- FIL 3036  Film History I 3 hrs
- FIL 3304C Documentary Vision 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs

B. Visual and Performing Art Foundations
- FIL 1009 Cinematic Expression for Majors 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 2480 Directing I 3 hrs
- FIL 2552 Editing I 3 hrs
- FIL 3115 Short Script I 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 3533 Sound Design for Film II 3 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 3304C Documentary Vision 3 hrs
- FIL 3307 Docudrama 3 hrs
- FIL 3308 Film Theory and Criticism I 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 4301C Film Theory and Criticism II 3 hrs
- FIL 4302C Documentary Workshop I 3 hrs
- FIL 4303C Documentary Workshop II 3 hrs
- FIL 5002 Film Business 3 hrs
- FIL 4647 Film Production Management 3 hrs

6. Departmental Exit Requirements
- A student must maintain an overall average of "B" (3.0) or better in major courses.
- Computer competency met by CGS1060 or STA1060C or FIL 1008.

7. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement.
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
Select primarily from upper division courses, with departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit if applicable

Total Semester Hours Required 120 hrs

Related Programs: Animation, Art, Creative Writing, Film, Music, Theatre, Radio/TV
Related Minors: Art, Creative Writing, Music, Theatre

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Common Program Prerequisites
- FIL 2030 may substitute FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and must be taken.
- FIL 1007 may use any introductory course. However, FIL 1007 is a prerequisite for all Cinema Studies courses and must be taken.

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oees.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................ $90 per term
- Part-time Student ...................................... $45 per term

FILM - WORLD CINEMA TRACK (B.A.)
College of Arts and Humanities
Film, COMM 121, 407-823-4285
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Department Chair: S. Schlow, 407-823-2845

Admission Requirements
- The Film-World Cinema track is a limited access program.
- Students must attain an overall minimum 2.5 GPA before applying.
- Students should apply to become Film majors only after completing all requirements for admission to the University.
- A portfolio and an interview are required for entry into the Film World Cinema track.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of "B" (3.0) or better in courses within the major.
- A maximum of three credit hours on internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students should consult with a departmental advisor.
- All students are required to pay a fee for equipment insurance.
- Departmental residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations
- Prefer one course from 1.B.1 list 3 hrs
- Prefer FIL 2030 3 hrs
- Prefer one course from 1.B.1 or 1.B.2 list 3 hrs
C. Mathematical Foundations
- Prefer MGF 1106 or MGF 1107 3 hrs
- (may substitute a higher level math)
- Prefer CGS 1060C or STA 1060C 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Requirements (3 hrs)
- FIL 2030* History of Motion Pictures GEP
- FIL 1007* Foundations of Story 3 hrs
*See Transfer Notes for possible substitutions
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (57 hrs)
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 1009 Cinematic Expression for Majors 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 2480 Directing I 3 hrs
- FIL 2552 Editing I 3 hrs
- FIL 3115 Short Script I 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 3533 Sound Design for Film II 3 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 3304C Documentary Vision 3 hrs
- FIL 3307 Docudrama 3 hrs
- FIL 3308 Film Theory and Criticism I 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 4301C Film Theory and Criticism II 3 hrs
- FIL 4302C Documentary Workshop I 3 hrs
- FIL 4303C Documentary Workshop II 3 hrs
- FIL 5002 Film Business 3 hrs
- FIL 4647 Film Production Management 3 hrs

4. Upper Level Restricted Electives (9 hrs)
Select three of the following
- FIL 3044 Film Theory and Criticism II
- FIL 3847 Latin American Cinema
- FIL 4844 African Cinema
- FIL 4898 Images & Text in Context
- FIL 4661 The Film Producer
- Additional courses may be acceptable. Consult your advisor.
UCF Degree Programs

5. Capstone (6 hrs)
   FIL 4434C Capstone I  3 hrs
   FIL 4573C Capstone II  3 hrs

6. Departmental Exit Requirements
   A student must maintain an overall average of “B” (3.0) or better in courses within the major.
   Computer competency met by CGS 1060C or STA 1060C or FIL 2552.
   Department of Film requires a passing grade on an exit examination.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement.
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Animation, Art, Cinema Studies, Creative Writing, Film, Digital Media, Music, Radio/TV, Theatre.
Related Minors: Cinema Studies, Creative Writing, Digital Media, African American Studies, Women Studies, Latin American Studies, Asian Studies, International and Global Studies

Transfer Notes:
   Courses taken at community colleges do not substitute for Upper Division courses.
   Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Common Program Prerequisites
   FIL 2030 may substitute FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
   FIL 1007 may use any introductory Film writing course. However, FIL 1007 is a prerequisite for all major courses and must be taken

Program Academic Learning Compacts
   Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
   http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
   Full-time Student ............................................. $90 per term
   Part-time Student ........................................... $45 per term

FINANCE (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu/finance

Not eligible for a double degree with another College of Business Administration major

Admissions Requirements
   Completion of the UCF General Education Program, and Gordon Rule, or an AA degree from a Florida public community college
   See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program (36 hrs)
   A. Communications Foundations
      Preferred: SPC 1608 Fund of Oral Communication
      9 hrs
   B. Cultural and Historical Foundations
      9 hrs

C. Mathematical Foundations
   Select MAC 1140 Pre-Calculus
   3 hrs
   Select CGS 2100C Computer Fund for Business
   3 hrs

D. Social Foundations
   Select ECO 2031 or ECO 2023
   3 hrs
   Select one: PSY 2012, SYG 2000, ANT 2000
   3 hrs

E. Science Foundations
   6 hrs

2. Common Program Prerequisites (18-21 hrs)
   Must be completed with a “C” (2.0) or better.
   ACG 2021 Principles of Financial Accounting
   3 hrs
   ACG 2071 Principles of Managerial Accounting
   3 hrs
   ECO 2013 Principles of Macroeconomics
   3 hrs
   ECO 2023 Principles of Microeconomics
   3 hrs
   ECO 3411 Quantitative Business Tools I
   3 hrs
   CGS 2100C Computer Fundamentals for Business
   3 hrs
   *At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Classes (36 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester)
   GEB 3375 Introduction to International Business
   BUL 3130 Legal & Ethical Environments of Business
   ECO 3411 Quantitative Business Tools II
   FIN 3403C Business Finance
   MAN 3025 Management of Organizations
   ISM 411C Essentials of Management Information Systems
   MAR 3023 Marketing
   4 hrs
   4 hrs
   4 hrs
   4 hrs
   4 hrs
   4 hrs
   4 hrs

Last Semester:
   From: MAN 4720 Strategic Management
   4 hrs

4. Special College and/or Department Requirements
   Students who change degree programs and select this major must adopt the most current catalog.
   Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   Students wanting to major in finance must apply for admission to the major.
   Final exams will be given during exam week.
   Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   A maximum of 6 hours of required or elective coursework (from sections 5 and 6 below) can count toward another major or minor degree program.
   Students majoring in finance must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. FIN 3403C is included in this requirement.
   Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (18 hrs)
   FIN 3333 Financial Markets
   3 hrs
   FIN 3414 Intermediate Corporate Finance
   3 hrs
   FIN 3504 Investment Analysis
   3 hrs
   FIN 4453 Financial Models
   3 hrs

Select two of the following:
   FIN 4313 Management of Financial Institutions
   3 hrs
   FIN 4324 Commercial Bank Management
   3 hrs
   FIN 4424 Adv Topics in Financial Management
   3 hrs
   FIN 4514 Portfolio Analysis and Management
   3 hrs
   FIN 4533 Financial Derivatives
   3 hrs
   FIN 4604 International Financial Management
   3 hrs

6. Restricted Electives (6 hrs)
   Select two of the following:
   ACG 3131 Financial Accounting Concepts
   3 hrs
   ACG 3141 Intermediate Financial Accounting
   3 hrs
   ACG 3361 Intermediate Managerial Accounting
   3 hrs
   ECO 4412 Economic Statistics and Econometrics
   3 hrs
   FIN 3461 Financial Statement Analysis
   3 hrs
   FIN 4313 Management of Financial Institutions
   3 hrs
   FIN 4324 Commercial Bank Management I
   3 hrs
   FIN 4424 Adv Topics in Financial Management
   3 hrs
   FIN 4514 Portfolio Analysis and Management
   3 hrs
   FIN 4533 Financial Derivatives
   3 hrs
   FIN 4604 International Financial Management
   3 hrs

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7. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives*** (variable)
Total Semester Hours Required 120 hrs
Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Macroeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

ACG X001 and X011 will substitute for ACG 2021 at UCF.

Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ............................................. $30 per term
- Part-time Student ............................................. $15 per term

FOUR YEAR PLAN OF STUDY - FINANCE
Freshman
1st Term 15 hrs
1. UCF 1101 3
2. ENC 1102 3
3. Cult-Hist I 3
4. SPC 1608 3
5. MAC 1105 3
6. Elective*** 3
7. Must complete nine hours in a summer semester

2nd Term 15 hrs
1. ECO 2013 3
2. ACG 2021 3
3. Science 3
4. Psy/SociAnt 3
5. Elective*** 3

Sophomore
1st Term 15 hrs
1. GEB 3303 3
2. GEB 3375 4
3. MAR 3023 4
4. FIN 3403C 4

2nd Term 15 hrs
1. ECO 2023 3
2. ACG 2071 3
3. Science 3
4. ECO 3401 3
5. Elective*** 3

Junior
1st Term 16 hrs
1. GEB 3033 4
2. GEB 3122 4
3. FIN Elective 3
4. FIN Elective 3

2nd Term 17 hrs
1. MAN 4720 4
2. ISM 3011C 4
3. FIN Elective 3
4. FIN Elective 3

Senior
1st Term 14 hrs
1. BUL 3310 4
2. ISM 3011C 4
3. FIN Elective 3
4. FIN Elective 3

2nd Term 13 hrs
1. MAN 4720 4
2. ISM 3011C 4
3. FIN Elective 3
4. FIN Elective 3

***General electives as required to reach 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

FOREIGN LANGUAGE EDUCATION - FRENCH (B.S.)
College of Education
Department of Teaching and Learning Principles, ED 209 http://www.education.ucf.edu/language
Program Coordinator: Dr. Karen Verkler, ED 220L, 407-823-5235, E-mail: kverkler@mail.ucf.edu;

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (36 hrs)
A. Communication Foundation (9 hrs)
1. ENC 1011 English Composition I 3 hrs
2. ENC 1102 English Composition II 3 hrs
3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
B. Cultural-Historical Foundation (9 hrs)
1. Prefer: AMH 1001 U.S. History 1492-1877 3 hrs
2. Prefer: PHI 1010 Introduction to Philosophy 3 hrs
3. Prefer: AMH 2000 U.S. History 1877-present 3 hrs
C. Mathematical Foundation (6 hrs)
1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs
D. Social Foundation (6 hrs)
1. Prefer: POS 2041 American National Government 3 hrs
2. Prefer: PSY 2012 General Psychology 3 hrs
2. Education Common Program Prerequisites (9 hrs)

EDF 2085 Introduction to the Teaching Profession 3 hrs
EDF 2200* Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

*Requisite FLE 2200 can be satisfied by FL proficiency test or CLEP test, or successful completion of FLE 2201.

**Transfer Notes:** Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

3. Other Program Requirements (6 hrs)

EDF 2130** Child & Adolescent Development for Educators 3 hrs
FRE 2201* Intermediate French Language and Civilization II 3 hrs

*Prerequisite FRE 2200 can be satisfied by FL proficiency test or CLEP test, or successful completion of FLE 2201.

**Transfer Notes:** Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

EDG 4410*** Teaching Strategies and Classroom Management 3 hrs
EDF 4467*** Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESLOL 3 hrs
RED 4043 Content Reading Kindergarten through Grade 12 3 hrs
EEX 4242# Teaching Exceptional Students in Secondary Settings 3 hrs
EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs

***Required prior to Internship I.

#Community College transfer students may substitute EEX 2010 Introduction to Special Education.

5. Internship I (3 hrs)

FLE 3940 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.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

6. Specialization Requirements (33 hrs)

FLE 4333*** Foreign Language Teaching in the Sec School 3 hrs
FLE 4314*** Foreign Language Teaching in Elem Schools 3 hrs
FRE 3300 French Grammar 3 hrs
FRE 3420 French Composition 3 hrs
FRE 3760 Advanced French Oral Composition 3 hrs
FRW 3100 Survey of French Literature I 3 hrs
FRW 3101 Survey of French Literature II 3 hrs
FRE 4421 Advanced French Conversation 3 hrs
FRE 4422 Advanced French Composition 3 hrs

Upper division restricted electives 6 hrs

(FRE/FRW 34XX with advisor’s consent)**

**Transfer Notes:** Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

7. Other Cognate Requirements (Linguistics) (3 hrs)

FRE 3780 French Phonetics and Diction 3 hrs

At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Passing score on the Subject Area Examination (French K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entering Internship II.

Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

8. Internship II (12 hrs)

FLE 4941 Internship II 12 hrs

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

9. Foreign Language Requirements (0-8 hrs)

State University System foreign language admission requirement: two years in high school or one year of college Instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

10. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.

Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

Pass all applicable sections of the Florida Teacher Certification Examination.

11. University Minimum Exit Requirements

A 2.0 UCF GPA

48 semester hours of upper division credit completed

Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

12. Total Program Semester Hours Required 120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aac/academic_learning_compacts.htm

13. Recommended Four Year Sequence of Courses

Freshman Year

Fall 12 hrs
EDF 2095 Intro to the Teaching Prof 3
ENC 1101 English Composition I 3
MGF 1106 Finite Mathematics 3
PSY 2012 General Psychology 3

Spring 12 hrs
EDF 2095 Intro to Diversity for Ed 3
ENC 1101 English Composition II 3
MGF 1106 Finite Mathematics 3
PSY 2012 General Psychology 3

Sophomore Year

Fall 15 hrs
AMH 1011 U.S. History 1492-1877 3
EDF 2201 Child and Adoles Dev Ed* 3
EEX 4242 Teach Ex Stud in Soc Settgs 3

Spring 12 hrs
AMH 2020 US History 1877-present 3
EDF 2201 Intern French Lang Civ II 3
EEX 4242 Teach Ex Stud in Soc Settgs 3

*Transfer Notes:** Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Summer 3 hrs
TSL 4080 Theory & Prac of Teach 3
ESOL Students in Schools
FOREIGN LANGUAGE EDUCATION - SPANISH (B.S.)

College of Education

Department of Teaching and Learning Principles, ED 209
http://www.education.ucf.edu/language

Program Coordinator: Dr. Karen Verkler, ED 220L, 407-823-5235, E-mail: kverkler@mail.ucf.edu;

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (36 hrs)

A. Communication Foundation
   - 1: ENC 1101 English Composition I 3 hrs
   - 2: ENC 1102 English Composition II 3 hrs
   - 3: Prefer SPC 1008 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation
   - 1: Prefer: AMH 2010 U.S. History 1849-1877 3 hrs
   - 2: Prefer: PHI 2010 Introduction to Philosophy 3 hrs
   - 3: Prefer: AMH 2020 U.S. History 1877-present 3 hrs

C. Mathematical Foundation
   - 1: Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
   - 2: Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

D. Social Foundation
   - 1: Prefer: POS 2041 American National Government 3 hrs
   - 2: Prefer: PSY 212 General Psychology 3 hrs

E. Science Foundation
   - 1: Prefer: PSC 1121 Physical Science 3 hrs
   - 2: Prefer: ANT 2511 The Human Species or BSC 1006 Biological Principles 3 hrs

Note: Students are advised to take the preferred courses.

2. Education Common Program Prerequisites (9 hrs)

- EDF 4467 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Note: In addition to EDF 2085, a minimum of six hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Other Program Requirements (6 hrs)

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SPN 2201* Intern Spanish Language and Civilization II 3 hrs

*SPN 3234 Advanced Directed Readings may be taken in place of SPN 2201 with the permission of the department.

**Transfer Notes:** Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

- EDG 4410** Teaching Strategies and Classroom Management 3 hrs
- EDG 4467** Theory and Practice of Teaching ESL 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- EEX 4242# Teaching Exceptional Students in Secondary Settings 3 hrs
- EDF 4063 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

**Required prior to Internship I.

#Community College transfer students may substitute EEX 2010 Introduction to Special Education.

- 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 in Kindergarten through 12th Grade, and TSL 4080 Theory and Practice of Teaching ESL.

5. Internship I (3 hrs)

- FLE 3940 Internship I 3 hrs
- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4334, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of “C+” or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

6. Specialization Requirements (27 hrs)

- FLE 4334*** For Lang Tch in the Secondary School 3 hrs
- FLE 4314*** For Lang Tch in the Elementary School 3 hrs
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs
- SPW 3100# Survey of Spanish Literature I 3 hrs
- SPW 3101# Survey of Spanish Literature II 3 hrs
- SPN 3344 Advanced Spanish Native Fluency I 3 hrs
- SPN 3346 Advanced Spanish Native Fluency II 3 hrs

**Required prior to Internship I.

##The following courses may be taken in place of SPW 3100 and SPW 3101:
- SPW 3100## Survey of Spanish Literature I 3 hrs
- SPW 3101## Survey of Spanish Literature II 3 hrs

7. Upper Division Restricted Electives (6 hrs)

Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor’s consent.

8. Other Cognate Requirements (3 hrs)

Select one of the following: 3 hrs
- SPN 3852 Spanish Literature or
- SPN 4800 Spanish American Syntax or
- SPN 4801 Spanish Morphosyntax

At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C+” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

Note: Spanish GPA of 2.5 is required in professional, specialization and overall for admission to Internship II.
### UCF Degree Programs

#### 1. UCF General Education Program (36+3 hrs)

**Note:** Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 3940 Intern I</td>
<td>3</td>
<td>FLE 4941 Internship II</td>
<td>12</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (16 hrs)

BSC 2010C, CHM 2045C+, CHM 2046&L, MAC 2311, MAC 2312, PHY 2048&L, PHY 2049&L

#### 3. Core Science and Math Requirements (18 hrs)


### Internship II Block (12 hrs)

- **FLE 4941** Internship II
- **SPN 3345** Adv Span Native Fluency II
- **EDF 4410** Teach Strat & Class Mgmt
- **EDF 4467** Learn Theory & Assmt

### Foreign Language Requirements (0-8 hrs)

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

### University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

### Recommended Four Year Sequence of Courses

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Intro to the Teaching Prof</td>
<td>3</td>
<td>EDF 2085 Intro to Diversity for Ed</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101 English Composition I</td>
<td>3</td>
<td>ENC 1102 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3</td>
<td>POS 2041 American National Gov</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3</td>
<td>PSC 1121 Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EME 2040 Intro to Tech for Educators</td>
<td>3</td>
<td></td>
<td></td>
</tr>
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</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010 U.S. History 1492-1877</td>
<td>3</td>
<td>AMH 2020 U.S. History 1877-present</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2130 Child and Adoles Dev Ed*</td>
<td>3</td>
<td>SPC 3224 Adv Direct Read</td>
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<td>ENC 1104 English Composition I</td>
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<td>EDF 2005 Intro to Diversity for Ed</td>
<td>3</td>
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<tr>
<td>STA 2014C Principles of Statistics or</td>
<td>3</td>
<td>ENC 1102 English Composition II</td>
<td>3</td>
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<tr>
<td>STA 100G Basic Math MS Excel</td>
<td>3</td>
<td>POS 2041 American National Gov</td>
<td>3</td>
</tr>
<tr>
<td>PHI 2010 Intro to Philosophy</td>
<td>3</td>
<td>PSC 1121 Physical Science</td>
<td>3</td>
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<tr>
<td>EEX 4242 Teach Ex Stud in Sec Settg*</td>
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#### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4410 Teach Strat &amp; Class Mgmt</td>
<td>3</td>
<td>EDG 4477 Learn Theory &amp; Assmt</td>
<td>3</td>
</tr>
<tr>
<td>SPN 3300 Adv Span Gram &amp; Comp</td>
<td>3</td>
<td>SPN 3345 Adv Span Native Fluency II</td>
<td>3</td>
</tr>
<tr>
<td>SPN 3344 Adv Span Native Fluency I</td>
<td>3</td>
<td>RED 4043 Content Reading K-12</td>
<td>3</td>
</tr>
<tr>
<td>SPN 3420 Spanish Comp</td>
<td>3</td>
<td>SPW 3100 Survey of Span Lit I or II</td>
<td>3</td>
</tr>
<tr>
<td>SPN 3760 Adv Span Oral Comm</td>
<td>3</td>
<td>SPW 3330 Survey of Latin Am Lit I or II</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>9 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDF 4600** Anal &amp; Appl of Eth, Legal,</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&amp; Safe Issues in Sch</td>
<td></td>
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</tr>
</tbody>
</table>

**This course may be taken in the Fall of the senior year with consent of Instructor.**

### Forensic Science - Analysis Track (B.S.)

**College of Sciences**

Department of Chemistry, CH 329, 407-823-6205

E-mail: chemistry@ucf.edu

Contact: B. Fookes

### Admission Requirements

**none**

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core science and math) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the program described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. 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

### 2. 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
### UCF Degree Programs

**MAC 2311**  
Calculus w/ Anal Geometry I  
CPP

**MAC 2312**  
Calculus w/ Anal Geometry II  
CPP

**PHY 2048L**  
Physics Engr. & Sci. I & Lab  
CPP

**PHY 2049L**  
Physics Engr. & Sci. II & Lab  
CPP

#### 6. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
- Computer Competency met by CHS 3505C and CHS 4537.
- American Board of Criminalists (ABC) exit exam must be taken prior to graduation, or an exit exam specified by the department.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Before applying to graduate, the CLAST must be completely satisfied.

#### 7. Foreign Language Requirements

- Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

#### 8. Electives

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

#### 9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

### Acceptable Substitutes

For common program prerequisites if taken prior to transferring to UCF:

- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- MAC 2311* & 2312*: Although MAC 2253 & 2254 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.
- PHY 2048 & Lab* and 2049 & Lab*: Although CPP requirements permit substitution by Organic Chemistry (CHM 2210 & 2211), PHY 2048 & L, PHY 2049 & L, CHM 245, and CHM 2046 are required for graduation, so all must be taken.

**Program Academic Learning Compacts**

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fee

- Full-time Student: $90 per term
- Part-time Student: $45 per term

### Suggested Plan of Study

One of numerous possible plans of study. See program description for alternate, new or more appropriate selections.

**Summer**


#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>PHY 2048 Phy for Eng Sci I</td>
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<tr>
<td>ENC 1101 Composition I</td>
<td>PHY 2048L Phy L Eng Sci I</td>
</tr>
<tr>
<td>MAC 2311 Calc Anal Geo I</td>
<td>CHM 2045C Chemistry Fund I</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fund II</td>
<td>CHM 2046L Chemistry Fund I</td>
</tr>
<tr>
<td>CHS 3505 Intro To Forensic Sci</td>
<td>MAC 2312 Calc Anal Geo II</td>
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<tr>
<td>CHS 3505 Intro To Forensic Sci</td>
<td>CHS 3505 Intro to For Sci</td>
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#### Sophomore Year

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<tr>
<td>MUL 2010* req# 1B2-GEP</td>
<td>EUH 2001* req# 1B1-GEP</td>
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<tr>
<td>SPC 1603 Tech Presentations</td>
<td>CHM 2211 Organic Chm II</td>
</tr>
<tr>
<td>STA 2023 Stat Methods I</td>
<td>CHM 2211L Organic L Tech I</td>
</tr>
<tr>
<td>PHY 2049 Phy for Eng Sci II</td>
<td>AN 4521C* req# 5B-Rellect</td>
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<tr>
<td>PHY 2048L Phy L Eng Sci II</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>CHM 2210 Organic Chm I</td>
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</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>CHM 3120 Analy Chemistry &amp; L</td>
<td>CHM 4912 Elective</td>
</tr>
<tr>
<td>PCB 3063 Genetics</td>
<td>PCB 3063L Genetics</td>
</tr>
<tr>
<td>PCB 3063L Genetics</td>
<td>CHS 3505C Forensic Mic</td>
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<tr>
<td>CHS 4537 For L Qual Assur</td>
<td>CHS 4537 For L Qual Assur</td>
</tr>
<tr>
<td></td>
<td>BCH 4053* req# 5B-Rellect</td>
</tr>
<tr>
<td></td>
<td>CHM 4130L Adv Analy Chm L</td>
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</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>PCB 3233 Immunology</td>
<td>POS 2041* req# 1D1-GEP</td>
</tr>
<tr>
<td>PCB 3233L Immunology Lab</td>
<td>CHS 4515C* req# 5B-Rellect</td>
</tr>
<tr>
<td>CHS 3533 Forensic Biochem I</td>
<td>PSY 2012* req# 1D3-GEP</td>
</tr>
<tr>
<td>CHM 3422 Applied Phy Chm</td>
<td>CHS 3511C Trace Evidence</td>
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<tr>
<td>CHS 3530C Forensic analysis</td>
<td>ABC Exam See catalog</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Summer</td>
</tr>
<tr>
<td>CHS 4591 For Science Intm</td>
<td></td>
</tr>
</tbody>
</table>

**FORENSIC SCIENCE-BIOCHEMISTRY TRACK (B.S.)**

**College of Sciences**

Department of Chemistry, CH 223, 407-823-0163  

E-mail: chemistry@ucf.edu

Contact: J. Ballantyne

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
UCF General Education Program (36+3 hrs)

1. Select ENC 1101 and ENC 1102
2. Prefer SPC 1603

Cultural and Historical Foundations

1. Select MAC 2311
2. Select STA 2023

Social Foundations

1. Select MAC 2311

Science Foundations

- CHS 3533L Forensic Biochemistry Lab 1 hr
- CHS 4534C Forensic Biochemistry II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BCH 4103L Biochemical Methods Lab 2 hrs
- BCH 4053 Biochemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- CHS 3501 Intro to Forensic Science 3 hrs

Core Science and Mathematics Requirements (20 hrs)

1. BSC 2010C Biology I GEP
2. CHM 2045C Chemistry Fund I 4 CHM 2046L Chemistry Fund Lab 1
3. MAC 2311 Calculus w/ Anal Geometry I GEP
4. MAC 2312 Calculus w/ Anal Geometry II GEP
5. PHY 2048&L Phy for Eng Sci I 3
6. PHY 2049&L* Physics Engr. & Sci. I & Lab GEP
7. PHY 2049&L Physics Engr. & Sci. II & Lab GEP

Suggested Plan of Study

A One-Year Plan
- Biology I
- Organic Chemistry I
- Calculus I
- Physics I
- Chemistry Fund I
- Forensic Science Analysis Track, Molecular Biology and Microbiology

Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.

American Board of Criminalists (ABC) exit exam must be taken prior to graduation, or an exit exam specified by the department.

Before applying to graduate, the CLAST must be completely satisfied.

University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 124 hrs

Related Programs: Chemistry, Forensic Science Analysis Track, Molecular Biology and Microbiology
Related Minors: Chemistry, Molecular Biology and Microbiology

Transfer Notes:

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C
- MAC 2254*: may use MAC 2311 & 2312
- MAC 2311* & 2312*: Although MAC 2253 & 2254 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.
- PHY 2048&L* and 2049&L*: Program admission requirements may permit substitution by Organic Chemistry (CHM 2210 & 2211). However, PHY 2048&L, PHY 2049&L, and Organic Chemistry through CHM 2046 are required for graduation.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student .......................... $30 per term
- Part-time Student ........................... $45 per term

Suggested Plan of Study

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
- Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
- Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year

Fall

- BSC 2010C Biology I 4
- ENC 1101 Composition I 3
- MAC 2311 Calc Anal Geo I 4
- CHM 2045C Chemistry Fund I 4

Spring

- PHY 2048 Phy for Eng Sci I 3
- PHY 2048L Phy L Eng Sci I 3
- CHM 2046 Chemistry Fund II 3
- CHM 2046L Chemistry Fund L 3
- MAC 2312 Calc Anal Geo II 4
- CHS 3501 Intro to For Sci 3

Course designations in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.


UCF Degree Programs

Sophomore Year

Fall
- EGU 2000* req* 1B1-GEF 3
- SPC 1083 Tech Presentations 3
- STA 2023 Stat Methods I 3
- PHY 2049 Phy for Eng Sci II 3
- PHY 2049L Phy L Eng Sci II 1
- CMH 2210 Orgich Chem I 3

Spring
- MUL 2010* req# 1B2-GEF 3
- POS 2041* req# 1D1-GEF 3
- CHM 2211 Organic Chem II 3
- CHM 2211L Organic Chem Lab II 2
- MCB 3020C General Micro 5

Junior Year

Fall
- CHM 3120 Analy Chemistry &L 4
- PCB 3063 Genetics 3
- PCB 3063L Genetics L 1
- CHS 3505C Forens Mic 4
- CHS 4337 For L Qul Assur 2

Spring
- PSY 2012* req# 1D2-GEF 3
- REL 2300* req# 1B3-GEF 3
- MUL 2010* req* 1B2-GEF 3
- EGF 1000* req* 1B1-GEF 3
- EGF 1120C* Elem French Lang & Civ I 4

Senior Year

Fall
- PCB 3233 Immunology 3
- PCB 3233L Immunology L 1
- CHS 3533 Forensic Biochem I 2
- PCB 3522 Mol Biology I 3
- CHS 3533L Foren Bioch Lab 1

Spring
- PSY 2012* req# 1D2-GEF 3
- BSC 3403C Quant Bio Methods 4
- CHS 4534C For Biochm II 3
- FOL 3730 Romance Philology 3
- REL 2300* req# 1B3-GEF 3

Summer
- CHS 4591 For Science Intrm 4

FRENCH (B.A.)

College of Arts and Humanities

Department of Modern Languages & Literatures

CHN 523

http://mill.cah.ucf.edu/

E-mail: forlang@mail.ucf.edu

Contact: P. Giordano, 407-823-2472

Admission Requirements

- none

Placement in Language courses

- Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a “C” (2.0) in each upper division French course.
- The 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

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>Select MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math)</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer STA 1060C Statistics Using Excel</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

D. Social Foundations | 6 hrs |
E. Science Foundations | 6 hrs |

2. Common Program Prerequisites

- FRE 1120C* Elem French Lang & Civ I 4 hrs
- FRE 1121C* Elem French Lang & Civ II 4 hrs
- FRE 2200* Intern French Lang & Civ I 3 hrs
- FRE 2201* Intern French Lang & Civ II 3 hrs

*May be met by proficiency test or completion of FRE 2201 See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>FRE 3300*</td>
<td>Advanced Grammar</td>
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</tr>
<tr>
<td>FRE 3420*</td>
<td>French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4422</td>
<td>Advanced French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4760*</td>
<td>Adv French Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4421</td>
<td>Advanced French Conversation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3100</td>
<td>Survey of French Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3101</td>
<td>Survey of French Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3780*</td>
<td>French Phonetics and Diction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 2300*</td>
<td>Romance Philology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

4. Upper Division Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3420*</td>
<td>French Composition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division French courses.
- Students are required to satisfactorily complete a departmental exit exam.
- Students must submit their portfolio to their French Faculty Advisor.
- Computer Competency met by CGS 1060C or equivalent.

6. Foreign Language Requirements

<table>
<thead>
<tr>
<th>Admission</th>
<th>Met by Graduation requirements.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduation</td>
<td>Met by Common Program Prerequisites.</td>
</tr>
</tbody>
</table>

7. Electives

<table>
<thead>
<tr>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.</td>
<td></td>
</tr>
</tbody>
</table>

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Spanish, Foreign Language Combination

Related Minors: French, German, Italian, Judaic Studies, Latin American and Iberian Area Studies, Spanish Transfer Notes:

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm

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4. Special college and/or department requirements:

- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.

5. Second Level Core (5 courses): (15-16 hrs)
Students must take one course from each of the following areas:
- Economics (must take ECP 4703), Finance, Management, Management Information Systems, and Marketing. These five courses are restricted to the courses listed below:

**Finance**
- FIN 3303 Financial Markets 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs

**Management**
- MĀN 3301 Management of Human Resources 3 hrs
- MĀN 4240 Organizations: Theory and Behavior 3 hrs
- MĀN 4441 Conflict Resolution and Negotiation 3 hrs
- GEB 3113 How to Start a Business 3 hrs

**Management Information Systems**
- ISM 3253 MIS Techniques 4 hrs
- ISM 4153C Enterprise Information Systems 3 hrs
- ISM 4154 Enterprise Application Development 3 hrs

**Marketing**
- MAR 3613 Marketing Research & Analysis 3 hrs
- MAR 3403 Sales Force Management 3 hrs
- MAR 4841 Service Marketing 3 hrs
- MAR 4156 International Marketing 3 hrs

**Economics**
- ECO 3233 Money and Banking 3 hrs
- ECP 3203 Contemporary Labor Economics 3 hrs
- ECP 4703 Managerial Economics 3 hrs

*ECP 4703 is required. ECP 3203 and ECO 3233 are restrictive electives only.
With permission of Economic advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restrictive elective. This substitution must be petitioned and have written approval.

6. Restricted Electives (three courses): (9 hrs)
Restricted electives are to be taken from two different departments and from the courses listed above, at least two of the restricted electives must be at the 4000 level.

7. Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the first major.

8. Foreign Language Requirements (0-8 hrs)

**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

**Transfer Notes**

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include:
  - Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
  - Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
  - ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
UCF Degree Programs

- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives*** (variable)

Total Semester Hours Required 120 hrs

**General electives as required to reach 120 semester hours.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student ........................................ $30 per term
- Part-time Student ........................................ $15 per term

FOUR YEAR PLAN OF STUDY - ALL GENERAL BUSINESS MAJORS

Freshman

1st Term 15 hrs 2nd Term 15 hrs

ENC 1101* 3 ENC 1102* 3
Cult-Hist I* 3 Cult-Hist II* 3
SPC 1608 3 Art/Music/Lit 3
**Elective 3 MAC 1105* 3
***Elective 3 CGS 2100C* 3
Must complete nine hours in a summer term

Sophomore

1st Term 15 hrs 2nd Term 15 hrs

ECO 2023* 3 ECO 2013* 3
ACG 2021* 3 ACG 2071* 3
Science 3 Science 3
Psy/Soc/Ant 3 **Elective 3
**Elective 3 ECO 3401* 3
*C (2.0) or better grade required in each class
Student should choose to major in one of the two areas of study below

GENERAL BUSINESS MAJOR

Junior

1st Term 16 hrs 2nd Term 15 hrs

GEB 3021 4 Required MAN Course 3
BUL 3130 4 MAR 3023 4
ISM 3011C 4 ECO 3411 4
MAN 3025 4 FIN 3403C 4

Senior

1st Term 16 hrs 2nd Term 13 hrs

GEB 3375 4 Required FIN Course 3
Required FIN Course 3 ECP 4703 3
Required ISM Course 3 Gen. Bus. Restrictive Elective** 3
Required MAR Course 3 Gen. Bus. Restrictive Elective** 3
Gen. Bus. Restrictive Elective** 3
**Students take 3 restrictive electives from approved list described above
***General electives as required to reach 120 semester hours.

GENERAL BUSINESS (B.S.B.A.)

A.S. to B.S. TRACK

Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

HEALTH INFORMATION MANAGEMENT (B.S.)

College of Health and Public Affairs

Department of Health Management and Informatics

HPA 210, 407-823-2353

http://www.cohpa.ucf.edu/hmi/bshm.cfm

Undergraduate Program Director: Alice M. Noblin, RHIA;
E-mail: anoblin@mail.ucf.edu

Admission Requirements

- Students who are pending Health Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Information Management Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program

(37 hrs)

A. Communication Foundations 9 hrs
B. Cultural Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
D. Social Foundations 6 hrs
E. Science Foundations 7 hrs

2. Common Program Prerequisites

(17 hrs)

ZOO 3703C Human Anatomy* 4 hrs
PCB 3703C Human Physiology* 4 hrs
STA 2014C Statistics GEP
CSG 2100C Computer Science for Business* 3 hrs
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
*See Transfer Notes

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements

(66 hrs)

HSC 3147 Introduction to Pharmacology 3 hrs
HSA 3170 Health Care Finance 3 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSA 4191 Health Care Automation 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4652 Health Law & Ethics 3 hrs
HSC 4555 Pathophysiologic Mechanisms 3 hrs
HSA 4180 Organization/Management for Health Agencies 3 hrs
or MAN 3025 Management of Organizations
8. University Minimum Exit Requirements (120 hrs)

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Related Programs: Health Services Administration, Business, Computer Science
Related Minors: Health Services Administration, Business, Computer Science

Transfer Notes:
- Community College Equivalents:
  - Human Anatomy & Physiology I & II (BSC X085 and X086) 8
  - Financial Accounting (ACG 2011) 3
  - Managerial Accounting (ACG 2071) 3
  - Statistics (STA 201C) or any other statistics course 3
  - Computer Science for Business (CGS 2100C) 3

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................ $30 per term
- Part-time Student ......................................... $15 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year*

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>CCHM 1092</td>
<td>3</td>
<td>STA 201C</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2000</td>
<td>2</td>
<td>BSC 2010C</td>
<td>4</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>3</td>
<td>EUH 2000 or HUM 2210</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2021 or SYG 2000</td>
<td>3</td>
<td>or AMH 2010</td>
<td>3</td>
</tr>
<tr>
<td>or ANT 2000</td>
<td>3</td>
<td>or POS 2041 or ECO 2013</td>
<td>3</td>
</tr>
</tbody>
</table>

*Plan your required nine summer hours into your course of study

Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>3</td>
<td>ACG 2071</td>
<td>3</td>
</tr>
<tr>
<td>ZOD 3733C</td>
<td>4</td>
<td>ZOD 3733C</td>
<td>4</td>
</tr>
<tr>
<td>EUH 2001 or HUM 2230 or AMH 2020</td>
<td>3</td>
<td>or One Course: ARH 2050</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>3</td>
<td>ARH 2051, MUL 2010, THE 1020, REL 2930, PHI 2010, LIT 2110, LIT 2120</td>
<td>3</td>
</tr>
</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4191**</td>
<td>3</td>
<td>HSA 4226C</td>
<td>5</td>
</tr>
<tr>
<td>HSC 4554**</td>
<td>3</td>
<td>HSC 4554**</td>
<td>3</td>
</tr>
<tr>
<td>HIM 3006</td>
<td>3</td>
<td>HSC 3160C</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025** or HSA 4180</td>
<td>3</td>
<td>HSC 3147</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3537**</td>
<td>3</td>
<td>HSA 4109</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>6 hrs</td>
<td>Spring</td>
<td>6 hrs</td>
</tr>
<tr>
<td>HSA 4652**</td>
<td>3</td>
<td>HSC 4652**</td>
<td>3</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 4344C</td>
<td>4</td>
<td>HSA 4676</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4650C</td>
<td>3</td>
<td>HSA 4170**</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4655C</td>
<td>3</td>
<td>HSA 4181C</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>5 hrs</td>
<td>Spring</td>
<td>5 hrs</td>
</tr>
<tr>
<td>HSA 3008</td>
<td>5</td>
<td>HSA 4702**</td>
<td>3</td>
</tr>
</tbody>
</table>

**Note: The asterisked courses may be taken at any time during the two years.

The HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

HEALTH SCIENCES - ATHLETIC TRAINING TRACK (B.S.)

College of Health and Public Affairs
Department of Health Professions
HPA2 208, 407-823-2747
http://www.cohpa.ucf.edu/health.pro/athletic

Undergraduate Program Director: Kristen C. Schellhase, MEd, ATC, CSCS, E-mail: kschellh@mail.ucf.edu

Admission Requirements

Students may only begin the athletic training program track in the Summer B semester and must have:

A. Acceptance to the University as an undergraduate student in Health Sciences - Athletic Training Pending. Acceptance into the university does not constitute admission into the Program in Athletic Training

B. A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.

C. A minimum of 2.75 overall grade point average and a minimum grade of “C” (2.0) in program prerequisites.

D. Completion of an AA degree from a Florida Community College; or completion of UCF’s General Education Program.

E. This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

F. Consent of Program Director.

G. A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

Technical Standards Requirement

The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as to meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC examination.
UCF Degree Programs

Candidates for selection to the Program in Athletic Training must demonstrate:

- The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
- Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients;
- The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
- The ability to record the physical examination results and a treatment plan clearly and accurately;
- The capacity to maintain composure and continue to function well during periods of high stress;
- The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
- Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations;
- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program’s technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student. A student who states he/she could meet the program’s technical standards or they believe that, with certain accommodations, they can meet the technical standards with reasonable accommodation; this qualifies as a disability under applicable laws. If a student states he/she could meet the program’s technical standards with reasonable accommodation, then the University will determine whether it agrees that the student can meet the program’s technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student. If a student states he/she could meet the program’s technical standards with reasonable accommodation, then the University will determine whether it agrees that the student can meet the program’s technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student.

Degree Requirements

- Students who are Health Sciences Athletic Training Pending and are admitted to the major must adopt the most current catalog of any potential scheduling conflicts.
- Students should consult with a departmental advisor.
- Accepted students must agree to be available for practicum courses.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- UCF Residency Requirement: 30 hours.

1. UCF General Education Program (36 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select MAC 1105</td>
<td></td>
</tr>
<tr>
<td>Select STA 2023</td>
<td></td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select POS 2041</td>
<td></td>
</tr>
<tr>
<td>Select PSY 2012</td>
<td></td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select BSC 2010C</td>
<td></td>
</tr>
<tr>
<td>Select CHM 2045C</td>
<td></td>
</tr>
</tbody>
</table>

2. Common Course Prerequisites (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td></td>
</tr>
<tr>
<td>ZOD 3733C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td></td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048L&amp;L</td>
<td></td>
</tr>
<tr>
<td>HUN 2002</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td></td>
</tr>
</tbody>
</table>

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Professional Phase (62 hrs)

The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4603C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3620</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3633C</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PET 3607L</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HSC 3147</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3623C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3649C</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PET 4315C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3671C</td>
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<tr>
<td>PET 4624C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4630C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PET 4632C</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PET 4660C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3510C</td>
<td>3 hrs</td>
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<tr>
<td>PET 4635C</td>
<td></td>
</tr>
<tr>
<td>PET 4672L</td>
<td>3 hrs</td>
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<tr>
<td>PET 4666</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4673L&amp;L</td>
<td></td>
</tr>
<tr>
<td>PET 4604</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4674</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

4. Upper Division Restricted Electives

- none

5. Departmental Exit Requirements (120 hrs)

- Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

6. Electives (variable)

- Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Information Management, Radiological Sciences, Psychology, and Sports & Fitness.

7. Foreign Language Requirements (0-8 hrs)

- Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation: none

8. Program Exit Requirements

A minimum overall GPA of 2.75 and a minimum grade of “C” (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
**UFH 2001**  
**Human Anatomy**  
**Biology I with Lab (BSC 1010/L)**  
4 hrs

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.

**Program Academic Learning Compacts**  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  http://www.oes.ucf.edu/acl/academic_learning_compacts.htm

**Equipment Fee**  
- Full-time Student: $7.50 per term
- Part-time Student: $15 per term

**Tentative Course Schedule for Entering Freshmen**

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<th>Course</th>
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*As needed to meet 120 hours of departmental exit requirement

**HEALTH SCIENCES - Pre-Clinical Track (B.S.)**  
**College of Health and Public Affairs**  
**Department of Health Professions**

http://www.coehp.ucf.edu/healthpro/hsgbs.cfm

Undergraduate Program Director: David M. Segal, PhD,  
E-mail: dsegal@mail.ucf.edu

The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, pharmacy, physician assistant, and medicine. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health or Health Services Administration.

**Admission Requirements:**  
- none

**Degree Requirements**  
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- Students should complete the General Education Program and the Program Prerequisites requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- Students must earn at least a “C” (2.0) in each course accepted as a Program Prerequisite and Core Requirement (see sections 2, 3 and 4 below)
- No transfer course will be accepted with a grade lower than a “C” (2.0).
- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses listed in math, biology, chemistry and physics are to be taken at a Florida community college, and should usually be completed in the first 60 hours.

**1. UCF General Education Program**  
(38 hrs)

- A. Communication Foundations  
  9 hrs
- B. Cultural Historical Foundations  
  9 hrs
- Select MUL 2010 Enjoyment of Music or REL 2300  
- World Religions or THE 2000  
- Intro to Philosophy  
- Select STA 2104C Principles of Statistics or STA 223 Statistical Methods I  
- Social Foundations  
  6 hrs
- Select ECO 2103 Principles of Microeconomics or ECO 2203 Principles of Macroeconomics  
- Select STA 2014 General Psychology  
- E. Science Foundations  
  8 hrs
- Select BSC 2010C Biology I and Lab  
- Select PHY 2053C College Physics I and Lab  

**2. Common Program Prerequisites**  
(0 hrs)

- MAC 1114  
- Introduction to Mathematics (GEP)
- STA 2104C Principles of Statistics or GEP  
- STA 2123 Statistical Method I  
- BSC 1010C Biology I  
- ECO 2103 Principles of Macroeconomics or GEP  
- ECO 2123 Principles of Microeconomics  
- PSY 2122 General Psychology  
- GEP

**3. Core Requirements - Lower Division**  
(32 hrs)

- CGS 1060C Intro to Computer Science or  
- 3 hrs
- CGS 2100C Computer Fundamentals for Business  
- 4 hrs
- CHM 2045C Chemistry Fundamentals I with Lab  
- 4 hrs
- CHM 2046 Chemistry Fundamentals II  
- 3 hrs
- CHM 2046L Chemistry Fundamentals II Lab  
- 1 hrs
- CHM 2205 Introduction to Organic and Biochemistry  
- 5 hrs
- DEP 2004 Developmental Psychology  
- 3 hrs
- HSC 2000 Intro to the Allied Health Professions  
- 2 hrs
- HUS 2002 Modern Concepts in Nutrition  
- 3 hrs
- MCB 2004 Microbiology for Health Professionals  
- 4 hrs
- PHY 2053C College Physics I and Lab (not for Sci and Eng)  
- GEP
- PHY 2054C College Physics II and Lab (not for Sci and Eng)  
- 4 hrs

**4. Core Requirements - Upper Division**  
(29 hrs)

- Basic and Health Sciences  
  (14 hrs)
- HSC 3147  
- Introduction to Pharmacology  
- 3 hrs
- HSC 4555 Pathophysiology  
- 3 hrs
- PCB 3703C Human Physiology and Lab  
- 4 hrs
- PCB 3733C Human Anatomy and Lab  
- 4 hrs
- Health Services  
  (15 hrs)
- HSA 3111 US Healthcare Systems  
- 3 hrs
- HSC 4652 Health Law & Ethics  
- 3 hrs
- HSC 4500 Epidemiology  
- 3 hrs
- HSA 4702 Health Sciences Research Methods  
- 3 hrs
- HIM 4506C Quality Management  
- 3 hrs
5. Upper Division Restricted Electives: (21 hrs)
A minimum of 7 courses from the list below
(Enrollment in MLS, Athletic Training and Medical Pharmacology courses is restricted. Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of science classes.)

- HSA 3430 Health Care Economics 3 hrs
- HSA 4130 Org & Mgt of Health Agencies 3 hrs
- HSC 3110C Medical Self Assessment 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- *HSC 4158 Medical Pharmacology I 2 hrs
- *HSC 4159 Medical Pharmacology II 2 hrs
- HSC 4564 Healthcare Needs of the Elderly 3 hrs
- HSC 3593 HIV Disease 3 hrs
- *HSC 3930 Preventive Healthcare 3 hrs
- PET 3620 Principles of Athletic Training 3 hrs
- PET 3633C Clinical Skills for Athletes I 2 hrs
- PET 3649C Clinical Skills for Athletes II 2 hrs
- PET 4606 Applied Fitness in Sport 3 hrs
- *PCB 3233 Immunology 3 hrs
- *PCB 3233L Immunology Lab 1 hr
- *PCB 3063 Genetics 3 hrs
- *PCB 3063L Genetics Lab 1 hr
- *PCB 4805 Endocrinology 3 hrs
- *BCH 4053 Biochemistry I 3 hrs
- *MCB 3020C General Microbiology 5 hrs
- *MCB 3203 Pathogenic Microbiology 3 hrs
- *MCB 3203L Pathogenic Microbiology Lab 1 hr
- *MCB 4503C Virology 3 hrs
- *ZOO 3744 Neurobiology 3 hrs
- *ZOO 4704C Clinical Neuroanatomy & Neuroscience 4 hrs
- *ZOO 4605 Human Embryology 3 hrs
- RIE 4762 Anatomy for the Medical Imager 3 hrs

*Recommended for Preprofessional students

6. Unrestricted Electives (variable)
Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose courses that are pre-requisites for specific graduate clinical programs of interest.

7. Foreign Language Requirements (0-8 hrs)
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. Program Exit Requirements (120 hrs)
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective (see sections 3 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
- Students must take a minimum of 30 hours of upper-division courses from the Health Sciences Pre-Clinical major to obtain the UCF degree in Health Sciences-Pre-Clinical Track.
- Students are required to have a personal interview after filing Intent to Graduate form online.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: The participating student may also consider applying for consideration to one or more of the following undergraduate professional degree options: Health Information Management, Athletic Training, Cardiopulmonary Sciences, Radiologic Sciences, and Health Services Administration. This program is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, pharmacy, physician assistant and medicine. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health or Health Services Administration.

Related Minors: Health Information Management, Biology, Chemistry, Molecular and Microbiology

Transfer Notes: Completion of a Florida public community college Associate of Arts Degree is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Students who begin a two-semester sequence course (e.g. General Chemistry) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Organic Chemistry I (CHM 2210) and Organic Chemistry II (CHM 2211) with labs at a Florida public community college in order to meet the University’s requirement for Intro to Organic and Biochemistry (CHM 2205).

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 15 hrs Spring 14 hrs
- ENC 1101 3 ENC 1102 3
- CIS 1060C or CIS 2100C 3 or 4
- CHM 2010C 4 or 5
- MAC 2002 3
- HSC 2000** 2
- **SLS 2211C (2 credits) is recommended for preprofessional students as a substitution in spring term

Summer 3 hrs
- MAC 1114 3

Sophomore Year
Fall 16 hrs Spring 17 hrs
- PHY 2053C 4 MUL 2010 or REL 2300 or 3
- HUN 2002 3 THE 2000 or PHI 2010 3
- SPC 1608 4 MCB 2004C 4
- EUH 2000 or HUM 2210 or 4
- PCB 3703C 3
- AMH 2010 4
- STA 2014C or STA 2023 3
- PCB 3703C 4
- ECO 2203 or ECO 2013 3

Summer (if needed)
- Foreign Lang I* 4
- Foreign Lang II* 4
- *If not satisfied in high school.

Junior Year
Fall 16/17 hrs Spring 15/16 hrs
- DEP 2004 3 HSC 4562 3
- HSA 3111 3 CHM 2205 5
- HSC 3147 3 PCB 3703C 4
- ZOO 3733C 4
- ZOO 3733C 4
- Restricted Elective 3/4

Senior Year
Fall 15/18 hrs Spring 12/14 hrs
- HSA 4702 3 HSC 4500 3
- HSC 4555 3 HSC 4562 3
- Restricted Elective 3/4
- Restricted Elective 3/4
- Restricted Elective 3/4
- Restricted Elective 3/4

University of Central Florida 2009-2010 Undergraduate Catalog
HEALTH SERVICES ADMINISTRATION (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics
HPA2 210, 407-823-2359
http://www.cohpa.ucf.edu/hmi/

Executive Director of HSA Programs: Myron Fottler, PhD;
Undergraduate Program Director: Kendall Cortelyou-Ward, PhD,
E-mail: hsainfo@mail.ucf.edu

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, CLAST, Gordon Rule, etc.), some of which are not available online.
Prerequisite courses are rarely offered online. For more information,
see http://distrub.ucf.edu/home.

Admission Requirements none

Degree Requirements

■ Students who change degree programs and select this major
must adopt the most current catalog.
■ Students should complete the General Education Program and
the Common Program Prerequisites before transferring within
the Florida Public University/Community College System.
■ Students should consult with a departmental advisor.
■ The courses designated in sections 1 and 2 below may be taken
at a Florida Community College, and should usually be com-
pleted in the first 60 hours.
■ UCF Residency Requirement: 30 hours.
■ HSA Residency Requirement: Students must complete at least
45 credit hours of the core requirements at UCF in the HSA
Program.

1. UCF General Education Program (36 hrs)
A. Communication Foundations 9 hrs
   Prefer SPG 1608
B. Cultural Historical Foundations 9 hrs
   Select MAC 1105
   Select CGS 1060C or 2100C
C. Mathematical Foundations 6 hrs
   Select MAC 1105
D. Social Foundations 6 hrs
   Select ECO 2023
E. Science Foundations 6 hrs
   Select ECO 2023

2. Common Program Prerequisites (9 hrs)
   CGS 2100C Computer Fund for Business Applications or
   CGS1060C Intro to Computer Science
   ECO 2023 Microeconomics
   ACG 2021 Financial Accounting
   ACG 2071 Managerial Accounting
   STA 2023 Statistical Methods

   Students must earn a “C” (2.0) or better in each Common Program Prerequisite
   course. See “Common Prerequisites” in the Transfer and Transitions Services section for
   more information.

3. Core Requirements (48 hrs)
   HSA 3111 U.S. Health Care Systems 3 hrs
   HSA 3170 Health Care Finance 3 hrs
   HSA 3222 Long Term Care Administration 3 hrs
   HSA 3430 Health Care Economics 3 hrs
   HSA 4109 Principles of Managed Care 3 hrs
   HSC 4201 Community Health Services 3 hrs
   HSA 4180 Organization and Management for Health Agencies I 3 hrs
   HSA 4191 Health Care Automation 3 hrs
   HIM 4506C Quality Management 3 hrs
   HSA 4702 Health Sciences Research Methods 3 hrs
   HSC 3537 Medical Terminology 3 hrs
   HSC 4500 Epidemiology 3 hrs
   HSC 4564 Health Care Needs of the Elderly 3 hrs
   HSC 4652 Health Care Law & Ethics 3 hrs
   HSA 4184 Organization & Management for Health Agencies II 3 hrs
   HSA 4941 Health Services Administration Internship 3 hrs

   Students must earn a “C” (2.0) or better in each Core Requirement course.

4. Upper Division Restricted Electives none

5. Program Exit Requirements (120 hrs)
   ■ Students must earn a “C” (2.0) or better in each Health Services Administration course.
   ■ Students must complete 3-9 credit hours of internship prior to
     graduation. To be eligible to participate in the internship pro-
     gram, students must have a major GPA of a 2.5.
   ■ At least 45 of the 51 core credit hours must be completed at
     UCF.

6. Electives (variable)
   Students are encouraged to select with their advisor additional
   Health Service Administration courses as electives or other courses
   that will enhance their background in the health care industry.
   These may be used to build minors and certificates offered by the
   University. Examples include: Health Information Management,
   Health Sciences, Aging Studies, Public Administration, and
   Business.

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or
   one year of one foreign language in college (or equivalent proficien-
   cy exam) prior to graduation.
   Graduation: none
   Students who transfer with an AA degree from a Florida public com-
   munity college and will be pursuing a BS degree must meet the
   University foreign language admission requirements for graduation.

8. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in
   residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP,
   Credit by Exam and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, the
   CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Public Administration, Health Information
Management
Related Minors: Aging Studies, Health Information Management, Health
Sciences, and Public Administration

Program Academic Learning Compacts
   Program Academic Learning Compacts (student learning
   outcomes) for undergraduate programs are located at:
   http://www.oed.ucf.edu/aadc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

Fall Semester
Fall 14 hrs Spring 12 hrs
ENC 1101 3 ENC 1102 3
PSY 2012 or SYG 2000 3
HSC 2000 2
MAC 1105 3 or REL 2300 or PHI 2010
Elective 3 SPC 1608 3

Sophomore Year
Fall 15 hrs Spring 12 hrs
ACG 2021 3 ACG 2071 3
ECO 2023 3 STA 2023 3
BSC 1005 3 EHU 2001 or HUM 2230 3
EUP 2000 or HUM 2210 3 or AMH 2010 or WOH 2012
EUP 2000 or HUM 2210 3 or AMH 2010 or WOH 2012
CGS 2100C 3 Elective/Minor 3

Summer 8 hrs
Foreign Lang. I* or Elective/Minor 4
Foreign Lang. II* or Elective/Minor 4
*(If not satisfied in high school)

Junior Year
Fall 15 hrs Spring 15 hrs
HSA 3111 3 HSA 3170 3
HSC 3537 3 HSC 4180 3
HSC 4201 3 HSC 4500 3
HSA 4191 3 HSA 3222 3
Elective/Minor 3 Elective/Minor 3

UCF Degree Programs

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UCF Degree Programs

Senior Year

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Notes:

Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.

**A variety of internship opportunities are available for UCF majors all over the country. You do not have to reside in Central Florida to complete an internship.

HISTORY (B.A.)

College of Arts and Humanities

History Department, CNH 551

http://www.history.cah.ucf.edu

E-mail: history@ucf.edu

Contact: Rosalind J. Beiler, 407-823-2225

Admission Requirements

none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a "C" (2.0) in each history course for it to be counted toward the major
- Co-op credit cannot be used in this major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department
- Students must compile a portfolio of their written work in history, completed inside and outside the classroom
- Students must complete 36 hours in history
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program

A. Communication Foundations
   9 hrs
B. Cultural and Historical Foundations
   Select AMH 2010 US History: 1492-1877
   Select AMH 2020 US History: 1877-Present
   Select one class from 1.B.2 list (see GEP section of catalog)
   3 hrs each
C. Mathematical Foundations
   Prefer MGF 1106 Finite Mathematics or MGF 1107
   (may substitute a higher level math)
   Prefer CGS 1060C Intro to Computer Sci
   3 hrs
D. Social Foundations
   6 hrs
E. Science Foundations
   6 hrs

2. Common Program Prerequisites

   AMH 2010*          US History: 1492-1877
   AMH 2020*          US History: 1877-Present
   *See Transfer Notes for possible substitutes

   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements

   HIS 4150          History & Historians
   Select one sequence
   EUH 2000, 2001 Western Civilization I & II
   WOH 2012, 2022 World Civilization I & II
   9 hrs

4. Upper Division Restricted Electives

   Must be taken within the History Department
   Select six hours of approved history courses within three of the four geographic regions.
   18 hrs
   1) Asian, African, and Middle Eastern
   2) British and European
   3) Latin American
   4) U.S. and Canadian
   Select three hours of approved history courses
   3 hrs

5. Departmental Exit Requirements

   Maintain a minimum GPA of 2.0 in upper division required courses attempted

   Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work throughout major course work including, but not limited to, book critiques, in-class essay exams, and term papers.

   Computer competency met by completion of the major

   Students must complete at least 18 of the required 36 History hours at UCF

6. Foreign Language Requirements

   Admission: Mel by graduation requirement

   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

7. Electives

   (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements

   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required

120 hrs

Related Programs: Humanities

Related Minors: African-American Studies, American Studies, Asian Studies, Humanities, Judaic Studies, Latin American Area Studies, Women’s Studies

Transfer Notes:

- Grades below “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. Students should realize that AMH 2010 and 2020 are prerequisites for all subsequent American history courses in the major.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

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Sophomore Year

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**UCF Degree Programs**

**HISTORY ACCELERATED PROGRAM (B.A. and M.A.)**
Accelerated Undergraduate-Graduate Program

**HOSPITALITY MANAGEMENT (B.S.)**
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, FL 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

**Degree Requirements**

1. **UCF General Education Program (GEP)**
   - A. Communication Foundations: 9 hrs
   - B. Cultural and Historical Foundations: 9 hrs
   - C. Mathematical Foundations: 3 hrs
      - Select MAC 1105 College Algebra or STA 2023 Statistical Methods I
   - D. Social Foundations: 3 hrs
      - Select ECO 2013 Microeconomics or ECO 2023 Macroeconomics
   - E. Science Foundation: 3 hrs
      - Select one: PSY 2012, SYG 2000, ANT 2000
   - F. Quantitative Tools: 3 hrs
      - CGS 2100C Computer Fundamentals for Bus or ECO 2013 Microeconomics or ECO 2023 Macroeconomics or MAC 1105 College Algebra

2. **Common Program Prerequisite**
   - HFT 1000 Introduction to Hospitality/Tourism 3 hrs
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. **Foundations**
   - Quantitative Tools: (Choose 5 Courses from the following list)
     - CGS 2100C Computer Fundamentals of Business (GEP)
     - STA 2023 Statistical Methods I
     - ECO 2013 Macroeconomics
     - ECO 2023 Macroeconomics (GEP)
     - MAC 1105 College Algebra (GEP)

4. **Hospitality Management Core**
   - FSS 2221C Quantity Food Preparation 3 hrs
   - HFT 3540 Guest Services Management 3 hrs
   - HFT 2401 Hospitality Financial Accounting 3 hrs
   - HFT 3431 Hospitality Managerial Accounting 3 hrs
   - HFT 2500 Hospitality Marketing 3 hrs
   - HFT 2220 Hospitality Human Resource Mgmt 3 hrs
   - HFT 3444 Hospitality Information Systems 3 hrs
   - HFT 3603 Legal Environment in Hospitality 3 hrs
   - HFT 4295 Leadership and Strg Mgmt in Hospitality Ind 3 hrs
   - HFT 4286 Hospitality Communications 3 hrs
   - HFT 4464 Hospitality Industry Finance 3 hrs
   - HFT 3932 Distinguished Lectures in Hosp Mgmt 1 hr

5. **Sectoral Core (Choose 6 of the Following 7)**
   - HFT 2254 Lodging Operations 3 hrs
   - HFT 3700 Tourism Management 3 hrs
   - HFT 2750 The Event Industry 3 hrs
   - HFT 3263 Restaurant Management 3 hrs
   - HFT 3273 Principles of Resort Time Sharing 3 hrs
   - HFT 4755 Theme Park and Attraction Mgmt 3 hrs
   - HFT 4277 Yacht, Country, and City Club Mgmt 3 hrs

6. **Internship**
   - HFT 3940 Internship I 1 hr
   - HFT 4941 Internship II 1 hr
   - HFT 4944 Internship III 1 hr

7. **Special College Requirements:**
   - Final exams will be given during Final Exam Week only.

8. **Restricted Electives:**
   - Generalist Track: Students must take 15 credit hours (five courses) of Hospitality Management courses in the Hospitality Management Specialized Tracks or the restrictive electives in other degree programs.
   - Specialty Track: Students must take 15 credit hours (five courses) of Hospitality Management courses in the Hospitality Management Specialized Tracks or the restrictive electives in other degree programs.
   - No more than two courses (six credit hours) may be taken from any one track or degree program at the Rosen College of Hospitality Management to satisfy the restricted elective requirement.

**SPECIALIZED TRACKS**

A. **Vacation Ownership Resort Management Track**
   - HFT 4786 Managing the Guest Experience in Theme Parks and Attractions 3 hrs
   - HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
   - HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry 3 hrs
   - HFT 4532 Managing the Employee Experience in Theme Parks and Attractions Industry 3 hrs
   - HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs
   - HFT 4795 Entertainment Arts and Events 3 hrs
   - HFT 4614 Risk Management in Theme Parks 3 hrs
   - HFT 3784 Amusement Technology 3 hrs

B. **Theme Park and Attraction Mgmt Track**
   - HFT 4422 Vacation Ownership Resort Management 3 hrs
   - HFT 4522 Vacation Ownership Resort Sales Tactics 3 hrs
   - HFT 4275 Development of Vacation Ownership Resorts 3 hrs
   - HFT 4433 Hospitality Facilities Planning & Design 3 hrs

C. **Tourism Management Track**
   - HFT 4735 Tourism Geography 3 hrs
   - HFT 4722 Travel Agency Management 3 hrs
   - HFT 4762 Current Practices in the Airline Industry 3 hrs
   - HFT 4736 Destination Management 3 hrs
   - HFT 4561 Destination Marketing 3 hrs
   - HFT 3770 Cruise Line Operations and Management 3 hrs

D. **Lodging Management Track**
   - HFT 4357 Hospitality Management 3 hrs
   - HFT 4274 Vacation Ownership Resort Management 3 hrs
   - HFT 4275 Development of Vacation Ownership Resorts 3 hrs
   - HFT 4413 Technology Applications for Management 3 hrs

E. **Hospitality Financial Management and Technology**
   - HFT 4442 Vacation Ownership Resort Reservations/ Data Base Systems 3 hrs
   - HFT 4473 Hotel Development Analysis 3 hrs
   - HFT 4253 Hotel Operations 3 hrs
   - HFT 4215 Reservations Sales & Marketing 3 hrs
   - HFT 4434 Hospitality Facilities Planning & Design 3 hrs

F. **Golf and Club Management Track**
   - HFT 4254 Golf Course Facility Design 3 hrs
   - HFT 4354 Agronomy for Golf Course Mgmt 3 hrs
   - HFT 4434 Hospitality Facilities Planning & Design 3 hrs

Note: For detailed information about this program, see the description in the “Accelerated Undergraduate-Graduate Programs” section.
UCF Degree Programs

9. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

11. Unrestricted Electives (3-11 hrs)
As necessary to result in 120 total credit hours.

Total Semester Hours Required 120 hrs

Community/Junior College Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student: $75 per term
- Part-time Student: $37.50 per term

FOUR YEAR PLAN OF STUDY FOR HOSPITALITY MANAGEMENT*
*Plan your required nine summer credit hours into your course of study.

Freshman
Fall 15 hrs Spring 15 hrs
ENC 1101 3 ENC 1102 3
Cult-Hist I 3 Cult-Hist II 3
CGS 2100C or STA 2023 3
HFT 1000 3 HFT 2500 Hospitality Marketing 3
PSY 2012, SYG 2000 or ANT 2000 3

Sophomore
Fall 15 hrs Spring 15 hrs
ECO 2013 or ECO 2023 3
Science Foundation I 3
Unrestricted Elective 3
HFT 3444 Hosp Info Sys Operations Core 3
FSS 2211C Quant Food Prep 3

Junior
Fall 14 hrs Spring 16 hrs
HFT 3540 Guest Svcs Mgmt 3
HFT 3603 Legal Environ 3
HFT 3431 Hosp Mgr Acct Hospitality Elective 3
Hospitality Elective 3
HFT 3940 Internship I 1
HFT 3933 Dist Lect in Hosp 1

Senior
Fall 15 hrs Spring 15 hrs
HFT 4944 Internship III 1
HFT 4268 Hospitality Communications Hospitality Elective 3
Hospitality Elective 3
Unrestricted Electives 3
Operations Core 3

HOSPITALITY MANAGEMENT (B.S.)
A.S. to B.S. TRACK
Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

HUMANITIES (B.A.)
College of Arts and Humanities
Department of Philosophy, PSY 220
http://www.philosophy.uchc.ucf.edu/
E-mail: philosophy@ucf.edu
Contact: Doug Evans, 407-823-2273; Fax: 407-823-6658

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
- A. Communication Foundations
  9 hrs
- B. Cultural and Historical Foundations
  Select HUM 2210 Humanistic Tradition I 3 hrs
  Select HUM 2230 Humanistic Tradition II 3 hrs
  REL 2300 World Religions 3 hrs
- C. Mathematical Foundations
  Prefer MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math) 3 hrs
  Prefer STA 1060C Statistics Using Excel 3 hrs
- D. Social Foundations
  6 hrs
- E. Science Foundations
  6 hrs

2. Common Program Prerequisites
- none

3. Core requirements (6 hrs)
- HUM 2210 Humanistic Traditions I GEP
- HUM 2230 Humanistic Traditions II GEP
- HUM 2220 Encountering the Humanities 3 hrs
- HUM 4933 Humanities Senior Research Seminar 3 hrs

4. Concentrations (choose one) (24 hrs)
Note: Appropriate new, or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

A. Classical Humanities:
1. Foundations
  3 hrs
  HUM 4301 The Classical Ideal
- Select two courses
  HUM 3431 Ancient Humanities 3 hrs
  HUM 3435 Medieval Humanities 3 hrs
  HUM 3255 Modern Humanities 3 hrs

2. Western Traditions and Applications
  9 hrs
  ARH 4310 Italian Renaissance Art
  ARH 4170 Greek and Roman Art
  HUM 3552 Christian Thought
  HUM 3553 Moses, Jesus, & Mohammed
  CLT 3370 Classical Mythology
  CLT 3378 Comparative Mythology
  JST 3401 The Jewish People
  REL 3432 Roots of Western Mysticism

Only one of the following may be taken
  PHH 3100 Ancient Philosophy
  PHH 3200 Medieval Philosophy
  PHH 3460 Modern Western Philosophy

3. World Intellectual Traditions:
  6 hrs
  Select one of the following
  PHH 3245 Native American Religions
  HUM 3401 Asian Humanities
  HUM 3417 Hindu Thought and Culture
  HUM 3419 Islamic Thought and Culture
  HUM 3460 Latin American Humanities
  HUM 4303 The Spiritual Ideal
  HUM 4554 Religious Quest and the Human Dilemma

- 186 UNIVERSITY OF CENTRAL FLORIDA 2009-2010 Undergraduate Catalog
B. Multicultural Humanities
1. Foundations
   - HUM 3320: Contemporary Multicultural Studies (3 hrs)
   - Select one
   - HUM 3431: Ancient Humanities
   - HUM 3435: Medieval Humanities
   - Select one
   - HUM 3252: Contemporary Humanities
   - HUM 3255: Modern Humanities
2. Traditions and Applications
   - ANT 3311: Indians of the Southeastern US
   - ARH 3550: African Art
   - HUM 3401: Asian Humanities
   - HUM 3417: Hindu Thought and Culture
   - HUM 3419: Islamic Thought and Culture
   - HUM 3353: Moses Jesus and Mohammed
   - HUM 3460: Latin American Humanities
   - JST 3401: The Jewish People
   - PHH 3701: Native American Philosophy
   - PHI 3790: African Philosophy
   - PHM 3123: Feminist Theory

C. Critical Humanities
1. Foundations
   - HUM 3255: Modern Humanities (9 hrs)
   - HUM 3252: Contemporary Humanities
   - PHI 4804: Critical Theory
2. Traditions and Applications
   - HUM 4330: Performance Theory
   - HUM 4554: Religious Quest and the Human Dilemma
   - HUM 3930: Representations of Place and Space
   - PHH 3510: Marx and Nietzsche
   - PHI 3638: Ethical Issues in the 21st Century
   - PHI 3203: Philosophy, Religion, and the Environment
   - PHI 3022: Sexuality, Gender, and Philosophy
   - PHM 3123: Feminist Theories
   - PHP 3706: Existentialism
   - PHP 4782: Phenomenology
   - REL 3111: Religion and Philosophy through Film
   - REL 3115: Religion, Spirituality, and Popular Music

5. Upper division Restricted Electives
   - Select one course from the “Traditions and Applications” category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.

6. Honors in the Major
   - Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:
   - Core and Elective Requirements
     - Honors Thesis
       - HUM 4903H: Honors Directed Readings (3 hrs)
       - HUM 4907H: Honors Thesis (3 hrs)
     - Additional Requirements
       - Application and admission through the Humanities Honors Coordinator and the Burnett Honors College
       - Fulfill University requirements for Honors in the Major
       - Earn a “B” (3.0) or better in both HUM 4903H and HUM 4970H
       - Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
     - Successful completion and oral defense of Honors thesis
     - No More than three courses (i.e. nine credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities may be simultaneously applied to fulfill another major.

7. Departmental Exit Requirements
   - Earn a “C” (2.0) or better in each required course.
   - Departmental Exit Exam in final semester.
   - Computer Competency met by HUM 4970H, HUM 4933, or by STA 1060C.
   - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

8. Foreign Language Requirements
   - Admission: Met by graduation requirement
   - Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

9. Electives
   - (variable)
   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 45 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120 hrs

Related Programs: Religious Studies, Philosophy, Humanities—Philosophy, Religion, and Popular Culture
Related Minors: Environmental Studies, Humanities, Philosophy, Religious Studies

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Suggested Plan of Study:
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

UCF Degree Programs
- HUMANITIES—PHILOSOPHY, RELIGION & POPULAR CULTURE TRACK (B.A.)
  - College of Arts and Humanities
  - Philosophy Department, PSY 220
  - http://www.philosophy.cah.ucf.edu/
  - E-mail: philosophy@ucf.edu
  - Advisor: Doug Evans, 407-823-2273; Fax: 407-823-6658;
  - Advisor (Cocoa): Shelley Park, 321-433-7919

Admission Requirements
   - none

Degree Requirements
   - Students who change degree programs and select this major must adopt the most current catalog
UCF Degree Programs

- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   - Communication Foundations (9 hrs)
     - Select HUM 2210 Humanistic Tradition I (GEP)
     - Select HUM 2230 Humanistic Tradition II (GEP)
   - Cultural and Historical Foundations (9 hrs)
     - Select REL 2300 World Religions or PHI 2010 Intro to Phil
   - Mathematical Foundations (6 hrs)
     - Prefer MGF 1106 Finite Mathematics or MGF 1107 (May substitute a higher level math)
     - Prefer STA 1060C Statistics Using Excel
   - Social Foundations (6 hrs)
   - Science Foundations (6 hrs)

2. Common Program Prerequisites
   - none

3. Core requirements (18 hrs)
   - a. Core (0 hrs)
     - HUM 2210 Humanistic Traditions I (GEP)
     - HUM 2230 Humanistic Traditions II (GEP)
     - PHI 2010 Intro to Philosophy (GEP)
   - b. Theoretical Foundations (6 hrs)
     - PHI 3684 Ways of Living
     - PHI 4341 Ways of Knowing
   - c. Philosophy (6 hrs)
     - Select two courses:
       - PHI 2108 Critical Thinking
       - PHI 3670 Ethical Theory
       - PHI 3700 Philosophy of Religion
       - PHI 3800 Aesthetics
       - PHM 3100 Freedom and Justice
       - PH 3720 Faith and Reason
       - PHP 3786Existentialism
       - PHI 4804 Critical Theory
       - PHI 4300 Theories of Knowledge
   - d. Religion (6 hrs)
     - Select two courses:
       - CLT 3978 Comparative Mythology
       - HUM 3552 Christian Thought
       - HUM 3553 Moses, Jesus, and Mohammed
       - HUM 3417 Hindu Thought and Culture
       - HUM 3419 Islamic Thought and Culture
       - HUM 4303 The Spiritual Ideal
       - HUM 4554 Religious Quest and the Human Dilemma
       - PHI 3750 The Problem of Evil

4. Popular Culture Studies (12 hrs)
   - a. Contemporary Media (6 hrs)
     - Select two courses:
       - HUM 3320 Contemporary Multicultural Studies
       - HUM 4556 Religion and the Arts
       - HUM 4330 Performance Theory
       - PHI 3625 Virtual Ethics
       - PHI 4931 Philosophy in the News
       - POS 3235 Mass Media and Politics
       - POS 3258 Politics in Film
       - REL 3115 Religion, Spirituality and Popular Music
       - REL 3111 Religion and Philosophy through Film
       - SYP 3630 Sociology of Popular Culture
   - b. Contemporary Forms of Life (6 hrs)
     - Select two courses:
       - ANT 3302 Sex, Gender and Culture
       - HUM 3252 Contemporary Humanities
       - PHI 3228 Sex, Gender and Philosophy
       - PHI 3629 Family Values
       - PHI 3033 Philosophy, Religion and the Environment
       - PHM 3401 Philosophy of Law
       - PHM 3638 Ethical Issues in the 21st Century
       - PHI 3683 Philosophy of Friendship
       - PHI 3020 Philosophy of Love
       - PHM 3123 Feminist Theories
       - PHI 4321 Philosophies of Embodiment: Mind/Body/Self
       - REL 3131 Religion in America

5. Capstone Course (3 hrs)
   - HUM 4933 Senior Research Seminar

6. Honors in the Major (Optional)
   - Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:
     - a. Core Requirements, Popular Culture and Capstone (33 hrs)
     - b. Honors Thesis (6 hrs)
       - HUM 4903H Honors Directed Readings 3 hrs
       - HUM 4970H 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 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.

7. Departmental Exit Requirement
   - Departmental Exit Exam in final semester.
   - Computer Competency met by HUM 4970H, HUM 4933, or STA 1060C.
   - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

8. Foreign Language Requirements (0-8 hrs)
   - Admission: Met by graduation requirement
   - Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

9. Electives (variable)
   - Select primarily from upper level courses, with departmental advisor's approval. May be outside the department.

10. University Minimum Exit Requirements
    - 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Humanities or Religious Studies, Philosophy

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

INDUSTRIAL ENGINEERING (B.S.I.E.)
College of Engineering and Computer Science
Industrial Engineering & Management Systems (IEMS) Department
ENG2 312, 407-823-2204; Fax: 407-823-3413
http://www.iems.ucf.edu/
Program Coordinator: Dr. William J. Thompson, P.E.

Admission Requirements:
- none

Degree Requirements
- Each engineering student is assigned a qualified engineering aca-
demic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. **UCF General Education Program for Engineering Students**

   **(36+2 hrs)**

   The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in the Catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E, below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   A. Communication Foundations
   - 1. Select ENC 1101 & ENC 1102
   - 2. Prefer SPC 1603

   B. Cultural and Historical Foundations
   - 1. Select two courses from Historical Foundations
   - 2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, LIT 2110, or LIT 2120

   C. Mathematical Foundations
   - 1. Select MAC 2311 (PR: MAC 1114)
   - 2. Select STA 3023 (PR: MAC 2312)

   D. Social Foundations
   - 1. Prefer ECO 2013 or ECO 2023.

   E. Science Foundations
   - 1. Select PHY 2048/48L (PR: MAC 2311)
   - 2. ANT 2511, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. **Common Program Prerequisites (CPP’s)**

   **(19 hrs)**

   These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in section 2, marked with an asterisk (*).

   **Note:** MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<td>CHS 1440</td>
<td>Fundamentals of Chemistry for Eng*</td>
<td>4 hr</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I*</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations*</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHYS 2048/48L</td>
<td>Physics for Engineers &amp; Scientists I*</td>
<td>GEP</td>
</tr>
<tr>
<td>PHYS 2049/49L</td>
<td>Physics for Engineers &amp; Scientists II*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>GEP</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>GEP</td>
</tr>
</tbody>
</table>

   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. **Courses Required for the Engineering Core**

   **(17 hrs)**

   The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing courses, together with the courses for the major listed in 4., the technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>Intro to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>COP 3223</td>
<td>Introduction to C Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis - Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis - Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3358</td>
<td>Thermofluids-Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or EGN 3343</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

4. **Courses Required for the Major (43 hrs)**

   The Industrial Engineering and Management Systems department requires all students within the major to achieve a 2.0 GPA or better in each course listed in sections 4., 5., and 6.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3813</td>
<td>Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EGN 4624</td>
<td>Engineering Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability &amp; Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>EIN 3000</td>
<td>Introduction to IE &amp; MS</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EIN 3314C</td>
<td>Work Measurement &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3354</td>
<td>Principles of Cost Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4628C</td>
<td>IE Applications of Computers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4517</td>
<td>Systems Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4243C</td>
<td>Human Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4333C</td>
<td>Industrial Control Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4364C</td>
<td>Industrial Planning &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4381C</td>
<td>Manufacturing Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4221</td>
<td>Empirical Methods for IE</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4234</td>
<td>Quality Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4312</td>
<td>Operations Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4525C</td>
<td>Systems Simulation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. **Approved Technical Electives**

   **(5 hrs)**

   Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. **Departmental Graduation Requirements**

   **(6 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4516C</td>
<td>Systems Analysis &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4891C</td>
<td>IE Senior Design Project</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

   Take the Fundamentals Exam during the Senior year.

7. **Foreign Language Requirements**

   **(0-8 hrs)**

   **Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   **Graduation:** none

8. **University Minimum Graduation Requirements**

   - A 2.0 UCF GPA.
   - 60 semester hours earned after any CLEP award.
   - 48 semester hours of upper division credit completed.
   - 30 of the last 36 hours of course work must be completed in residency at UCF.
   - 25% of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

   **Total Semester Hours Required:** 128 hrs

   **Related Programs:** Mechanical Engineering.

   **Related Minors:** Engineering Leadership

   **Transfer Notes:**

   - Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

   **Program Academic Learning Compacts**

   **Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:**

   http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

   **Equipment Fee**

   - Full-time Student: $90 per term
   - Part-time Student: $45 per term

   **Tentative Course Schedule for Entering Freshmen**

   The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

   **Industrial Engineering - 128 semester hours required**

   **FIRST YEAR**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EGN 1102C</td>
<td>Intro to Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>EGN 1007C</td>
<td>Engineering Concepts &amp; Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>EGN 1012C</td>
<td>Manufacturing Engineering</td>
<td>3 hrs</td>
</tr>
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</table>

   **Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 4981C</td>
<td>IE Senior Design Project</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4982C</td>
<td>IE Senior Design Project</td>
<td>3 hrs</td>
</tr>
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</table>

   **Second Year**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EGN 4516C</td>
<td>Systems Analysis &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4891C</td>
<td>IE Senior Design Project</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

   **Third Year**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4516C</td>
<td>Systems Analysis &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4891C</td>
<td>IE Senior Design Project</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

   **Fourth Year**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4516C</td>
<td>Systems Analysis &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4891C</td>
<td>IE Senior Design Project</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

   **Total Semester Hours Required:** 128 hrs
### UCF Degree Programs

#### SECOND YEAR

<table>
<thead>
<tr>
<th>Error</th>
<th>(13 hrs) 1</th>
<th>Spring</th>
<th>(15 hrs) 1</th>
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<tbody>
<tr>
<td>*PHY 2049/L Phys Eng/Sci II</td>
<td>4</td>
<td>EIN 4517 Systems Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032 Prob &amp; Stats Engrs</td>
<td>3</td>
<td>*MAP 2302 Diff Equations</td>
<td>3</td>
</tr>
<tr>
<td>EIN 3000 Intro to IE &amp; Mgt Sys</td>
<td>2</td>
<td>EGN 3310 Engr Anal-Statics</td>
<td>3</td>
</tr>
<tr>
<td>*MAC 2313 Calc with Analytic Geo III</td>
<td>4</td>
<td>SPC 1603 Tech Presentations</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EIN 4243C Human Engr</td>
<td>3</td>
</tr>
</tbody>
</table>

**Summer** (8 hrs)
- EGN 3613 Engineering Econ Anal | 2
- *Social Foundations II | 3
- EGN 3321 Engr Anal-Dynamics | 3

**THIRD YEAR**

<table>
<thead>
<tr>
<th>Error</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 3314C Work Mtls &amp; Dsgn</td>
<td>3</td>
<td>EIN 4564C Indus Fcty Pln/Dsgn</td>
</tr>
<tr>
<td>EIN 4391C Mtg. Engr.</td>
<td>3</td>
<td>ESI 4221 Empirical Mthds - IE</td>
</tr>
<tr>
<td>EIN 3554 Princ of Cost Engnrng</td>
<td>3</td>
<td>ESI 4523C Systems Simulation</td>
</tr>
<tr>
<td>EIS 4312 Operations Research</td>
<td>3</td>
<td>ESI 4333C Industrial Cost Sys</td>
</tr>
<tr>
<td>ESI 4628C IE Computer Appl</td>
<td>3</td>
<td>EGN 3358 Therm-Fls-Ht Trans</td>
</tr>
<tr>
<td>or EIN 3343 Thermodynamics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Summer** (6 hrs)
- *Historical Foundations | 3
- *Cultural Foundation | 3

#### FOURTH YEAR

<table>
<thead>
<tr>
<th>Error</th>
<th>Fall</th>
<th>Spring</th>
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</tr>
</thead>
<tbody>
<tr>
<td>EIN 4516C Sys Anal &amp; Dsgn</td>
<td>3</td>
<td>EIN 4891C IE Sr. Design Proj</td>
<td>3</td>
</tr>
<tr>
<td>ESI 4234 Quality Engineering</td>
<td>3</td>
<td>Technical Elective</td>
<td>3</td>
</tr>
<tr>
<td>EGN 4624 Engineering Admin</td>
<td>3</td>
<td>*Historical Foundation</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373 Prin of Elec Eng</td>
<td>3</td>
<td>*Science Foundation II</td>
<td>3</td>
</tr>
<tr>
<td>Technical Elective</td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.
2. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5. Approved Technical Electives.

### Accelerated BS/MS Degree Program

The Industrial Engineering & Management Systems Department offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department for the Accelerated program section in the back of the Catalog for more information.

### INFORMATION SYSTEMS TECHNOLOGY (B.S.)

#### College of Engineering and Computer Science Engineering Technology (ENT) Department

**ENG 207, 407-823-4748; Fax: 407-823-4746**

[http://www.ent.ucf.edu](http://www.ent.ucf.edu)

Coordinator: Dr. Bahman Motlagh, E-mail: bmotlagh@mail.ucf.edu

#### Admission Requirements

Students should complete 33 credit hours of lower level technical courses at a community college. Technical courses will be accepted in the following areas: networking, programming, information technology, computer science, and computer engineering and technology or closely related disciplines.

#### Degree Requirements

- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. **UCF General Education Program** (36 hrs)
   - **Communication Foundations**
     - 1. ENC 1101 & ENC 1102 | 3 hrs
     - 2. Prefer SPC 1603
   - **Cultural and Historical Foundations**
     - 3 hrs
   - **Mathematical Foundations**
     - 1. Select MAC 1105 | 3 hrs
     - 2. Select STA 2023
   - **Social Foundations**
     - 4 hrs
   - **Science Foundations**
     - 5 hrs

2. **Lower Level Required Courses** (33 hrs)
   - MAD 2104 | Foundations of Discrete Math | 3 hrs
   - Lower level technical courses taken at Community College | 30 hrs

3. **Requisite Courses** (14 hrs)
   - **(C 2.0) or better grade required in all courses**
   - MAC 1105 | College Algebra | GEP
   - MAC 1114 | College Trigonometry | 4 hrs
   - EET 3085C | Electricity & Electronics | 4 hrs
   - or EET 3086 | Principles of Electrical Circuits | 4 hrs
   - CET 3115C | Digital Technology | 4 hrs
   - CET 2364 | Systems Applications in C | 3 hrs

   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

4. **Required Technical Courses** (27 hrs)
   - **(C 2.0) or better grade required in all courses**
   - CET 3529 | Linux/Unix Sys Admin and Applications | 3 hrs
   - CET 3010 | Intro to Info Technology | 3 hrs
   - CET 4427 | Applied Database I | 3 hrs
   - CET 3383 | Applied Systems Analysis I | 3 hrs
   - CET 4505 | Applied Operating Systems I | 3 hrs
   - CET 3979 | Intro to Telephony | 3 hrs
   - CET 4483 | Intro to Local Area Network | 3 hrs
   - CET 4333 | Computer Organization & Design | 3 hrs
   - CET 4746 | Wide Area Networks I | 3 hrs

5. **IST Support Courses** (6 hrs)
   - ENC 3241 | Writing For Technical Professional | 3 hrs
   - EET 4448 | Applied Proj Mgmt | 3 hrs
   - STA 2023 | Statistical Methods | 3 hrs
   - CET 4748 | Wide Area Networks II | 3 hrs

6. **Technical Electives** (12 hrs)
   - **(C 2.0) or better grade required in all courses**
   - Choose four from the following:
     - CET 3198C | Digital Systems | 3 hrs
     - CET 4138C | Digital Programmable Devices | 3 hrs
     - CET 4931 | Current Topics in Technology | 3 hrs
     - MAP 3401 | Problem Analysis | 3 hrs
     - CET 4523 | Applied Systems Analysis II | 3 hrs
     - CET 4429 | Applied Database II | 3 hrs
     - CET 4583 | Web Base Systems I | 3 hrs
     - CET 4584 | Web Base Systems II | 3 hrs
     - CET 4463 | Computer & Networks Security | 3 hrs
     - CET 4568 | Practice of Information Security | 3 hrs
     - CET 4482 | Network Defense Strategies | 3 hrs
     - CET 4884 | Sec & Network Management | 3 hrs
     - CET 4885 | Investigative Digital Technology | 3 hrs
     - CET 4899 | Sec & Sensor & Biometric | 3 hrs
     - ETG 4950C | Digital Image Processing | 3 hrs
     - ISM 3011C | Essentials of Management Information Systems | 3 hrs
     - ISM 4153C | Enterprise Information Systems | 3 hrs
     - ISM 4431 | Business Process Analysis | 3 hrs
     - ISM 4154 | Enterprise Application Development | 3 hrs
     - ISM 5219 | Business Intelligence Systems | 3 hrs

7. **Departmental Exit Requirements**

8. **Foreign Language Requirements** (0-8 hrs)
   - Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation: none

9. **Approved Technical Electives**

   Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

10. **University Minimum Graduation Requirements**

    - A 2.0 UCF GPA
    - 60 semester hours earned after any CLEP award
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residency at UCF
    - 25% of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)
Total Semester Hours Required: 128 hrs
Related Programs: none
Related Minors: Interdisciplinary Informatics Technology, Secure Computing and Networks

Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in the Catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student $90 per term
- Part-time Student $45 per term

Tentative Course Schedule
The tentative course schedule listed below is a guide for those students who plan on completing their engineering technology degree. Many students choose to spread out these requirements over a longer period of time. All engineering technology students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year
Fall 13 hrs Spring 16 hrs
ENC 1101 Composition I 3 ENC 1102 Composition II 3
MAC 1105 College Algebra 3 MAC 1114 Trigonometry 3
Cultural/Historical Foundation 3 Biological science 3
Lower level elective (CC) 4 Social Foundation 3

Sophomore Year
Fall 15 hrs Spring 16 hrs
SPC 1121 Physical Science 3 CET 2364 Syst Applications in C 3
Cultural/Historical Foundation 3 Social Foundation 3
Lower level elective (CC) 3 Lower level elective (CC) 3
Lower level elective (CC) 4 Lower level elective (CC) 4

Senior Year
Fall 12 hrs CET 4505 Appl Oper Sys I 3 CET 3383 Applied Sys Analysis I 3
CET 3679 Intro to Telephony 3 Upper level elective 3
CET 4748 Wide Area Networks I 3 Upper level elective 3
CET 4427 Appl Database I 3 Upper level elective 3

INFORMATION SYSTEMS TECHNOLOGY (B.S.)
A.S. to B.S. TRACK
Note: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.
### UCF Degree Programs

8. **University Minimum Exit Requirements**
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
<th>120 hrs</th>
</tr>
</thead>
</table>

**Related Programs**: Computer Science, Computer Engineering, Management Information Systems

**Related Minors and Certificates**: Information Technology, Computer Science, Secure Computing and Networks, Interdisciplinary Informatics Technology

**Transfer Notes**:
- Grades below "C" (2.0) are not accepted
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fee**
- Full-time Student ................................. $90 per term
- Part-time Student ................................. $45 per term

### 1. UCF General Education Program (36 hrs)

- **A. Communication Foundations** 9 hrs
- **B. Cultural and Historical Foundations** 9 hrs
- **C. Mathematical Foundations** 6 hrs
- **D. Social Foundations** 6 hrs
- **E. Science Foundations** 6 hrs

### 2. Core (6 hrs)

- IDS 3933 Cornerstone Experience in Interdisciplinary Studies 3 hrs
- IDS 4934 Capstone Experience in Interdisciplinary Studies 3 hrs

### 3. Restricted Electives (30 hrs)

- Students must complete two different subject area concentrations from among those specified below.
- Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies advisor, and must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

### 1. UCF General Education Program (36 hrs)

- **A. Communication Foundations** 9 hrs
- **B. Cultural and Historical Foundations** 9 hrs
- **C. Mathematical Foundations** 6 hrs
- **D. Social Foundations** 6 hrs
- **E. Science Foundations** 6 hrs

### 2. Core (6 hrs)

- IDS 3933 Cornerstone Experience in Interdisciplinary Studies 3 hrs
- IDS 4934 Capstone Experience in Interdisciplinary Studies 3 hrs

### 3. Restricted Electives (30 hrs)

- Students must complete two different subject area concentrations from among those specified below.
- Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies advisor, and 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.

- **A. Communication Foundations** 9 hrs
- **B. Cultural and Historical Foundations** 9 hrs
- **C. Mathematical Foundations** 6 hrs
- **D. Social Foundations** 6 hrs
- **E. Science Foundations** 6 hrs

### 4. Restricted Electives (30 hrs)

- Students must complete two different subject area concentrations from among those specified below.
- Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies advisor, and 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.

- **A. Communication Foundations** 9 hrs
- **B. Cultural and Historical Foundations** 9 hrs
- **C. Mathematical Foundations** 6 hrs
- **D. Social Foundations** 6 hrs
- **E. Science Foundations** 6 hrs

### 5. Critical Thinking Electives (3 hrs)

- IDS 3933 Cornerstone Experience in Interdisciplinary Studies 3 hrs
- IDS 4934 Capstone Experience in Interdisciplinary Studies 3 hrs

### 6. Interdisciplinary Studies (B.A., B.S.)

**Office of Undergraduate Studies**

**Office of Interdisciplinary Studies, CL1, Room 302**

[http://www.is.ucf.edu](http://www.is.ucf.edu)

**E-mail**: is@mail.ucf.edu

**Contact**: Interdisciplinary Studies Advising Team, 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies advisor.

The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students.

This program may be completed online; however, there are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available via online courses. For more information, see [http://online.ucf.edu/](http://online.ucf.edu/).
5. Required Minor (18 hrs minimum)
Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

6. Program Exit Requirements
- A grade of "C" or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency met by completing this major.

7. Foreign Language Requirements (0-8 hrs)
Admission-BA: Met by graduation requirement.
Graduation-BA: Proficiency equivalent to one year of college instruction in a foreign language, or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
Graduation-BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

Note: Students entering without having met the admission requirements must do so in order to graduate.

8. Electives (variable)
Select primarily from upper level courses, with an Interdisciplinary Studies advisor's approval.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
 Related Programs: Environmental Studies Track in Interdisciplinary Studies, Women's Studies Track in Interdisciplinary Studies
 Related Minors: Most UCF minors

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

INTERDISCIPLINARY STUDIES – ENVIRONMENTAL STUDIES TRACK (B.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1, Room 302
http://www.is.ucf.edu
E-mail: ls@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major
- Co-op credit cannot be used in this major
- Students must earn at least a "C" (2.0) in each required course in the core and subject areas
- Students must consult with an Interdisciplinary Studies advisor when entering the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

1. UCF General Education Program (36+2 hrs)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
   Select STA 2023
D. Social Foundations 6 hrs
   Select ECO 2013 or ECO 2023
   Select SYG 2000
E. Science Foundations 8 hrs
   Select BSC 2010C
   Select CHM 2040G

2. Common Program Prerequisites none

3. Core for Environmental Studies (11 hrs)
A. Physical/Mathematical Sciences
   CHM 2045C Chemistry Fundamentals I GEP
   MAC 1105 College Algebra or higher GEP
   Select MAC 1105 or higher
   STA 1121 Physical Science I GEP
   STA 2023 Statistical Methods I GEP
B. Life Sciences
   PCB 3044/3044L Principles of Ecology & Lab 4 hrs
   ECO 2013 Principles of Microeconomics GEP
   ECO 2023 Principles of Microeconomics GEP
   SYG 2000 General Sociology GEP
C. Social Science & Humanities
   ECP 3302 Economics and the Environment 3 hrs
   GIS 3043C GIS for Environmental Studies 3 hrs
   GIS 4301C Advanced GIS Applications for Environ. Studies 4 hrs
   PUP 3203 Environmental Politics 3 hrs
   SYD 4510 Environmental Sociology 3 hrs

4. Subject Area: Environmental Studies Fundamentals (19 hrs)
   IDS 3150 Foundations of Environmental Studies 3 hrs
   ECP 3302 Economics and the Environment 3 hrs
   GIS 3043C GIS for Environmental Studies 3 hrs
   GIS 4301C Advanced GIS Applications for Environ. Studies 4 hrs
   PUP 3203 Environmental Politics 3 hrs
   SYD 4510 Environmental Sociology 3 hrs

5. Subject Areas: Restricted Electives (18 hrs)
Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major
- Co-op credit cannot be used in this major
- Students must earn at least a "C" (2.0) in each required course in the core and subject areas
- Students must consult with a Interdisciplinary Studies advisor when entering the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

Sciences Concentration
Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

BCH 4053 Biochemistry I
BCH 4054 Biochemistry II
BOT 3152C Local Flora
BOT 3800 Ethnobotany
BOT 4156C Florida Wildflowers
BOT 4303C Plant Kingdom
BOT 4886C Conservation and Management of Native Plants
BOT 4713C Plant Taxonomy
BSC 4312C Marine Biology
CHM 3120 Analytical Chemistry
CSE 3009 Oceanography
UCF Degree Programs

PCB 3063  Genetics
PCB 3304C  River Ecology
PCB 3314  Marine Biodiversity
PCB 3442  Florida Aquatic Ecology
PCB 4302C  Physicochemical Limnology
PCB 4303C  Biological Limnology
PCB 4463  Evolutionary Biology
PCB 4723  Animal Physiology
PCB 5045  Conservation Biology
PCB 5326C  Ecosystems of Florida

Intermediate Minimum Exit Requirements
Select primarily from upper level courses, with advisor approval. Courses taken at community colleges do not substitute for Upper Division courses.

Graduation-BS:
- PCB 4204 Sustainability
- PCB 4209 Urban Environmental Policy
- pcb 4351 Issues in Environmental Program Management
- phi 3033  Philosophy, Religion, & the Environment
- phi 3640  Environmental Ethics
- phi 4400  Philosophy of Science
- phi 4633  Ethics and Biological Science
- phi 4633  Environmental Philosophy
- PCB 4554  Land Use and Environmental Law
- PUP 4204  Sustainability
- PUP 4209 Urban Environmental Policy
- INR 4351  International Environmental Law

Transfer Notes
Courses taken at community colleges do not substitute for Upper Division courses.

Related Minors:
- Environmental Studies track majors.
- Values, Planning, & Policy Concentration
- Introduction to the subject areas and core

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oaes.ucf.edu/aclc/academic_learning_compacts.htm

Values, Planning, & Policy Concentration
Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

- ANT 3541  Biobehavioral Anthropology
- BOT 3800  Ethnobotany
- ECP 4302  Economics of the Environment
- ENC 3211  Theory and Practice of Technical Writing
- ENC 3241  Writing for the Technical Professional
- ENC 4360  Nature Writing
- GIS 4035C  Remote Sensing of Environment
- INR 4351  International Environmental Law
- PAD 3330  Urban and Regional Planning
- PAD 4351  Issues in Environmental Program Management
- PHI 3033  Philosophy, Religion, & the Environment
- PHI 3640  Environmental Ethics
- PHI 4400  Philosophy of Science
- PHI 4633  Ethics and Biological Science
- PHM 4031  Environmental Philosophy
- PLA 4554  Land Use and Environmental Law
- PUP 4204  Sustainability
- PUP 4209 Urban Environmental Policy

6. Program Exit Requirements  (0-8 hrs)
- A grade of "C" or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

7. Foreign Language Requirements  (0-8 hrs)
Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation
Graduation-BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives  (variable) Select primarily from upper level courses, with advisor approval

9. University Minimum Exit Requirements
- A 2.0 UCF and overall GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Required Hours  120 hrs

Related Programs:
- Biology, Chemistry, Environmental Engineering, Political Science, Economics
Related Minors:
- All minors

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oaes.ucf.edu/aclc/academic_learning_compacts.htm

INTERDISCIPLINARY STUDIES -  WOMEN'S STUDIES TRACK (B.A.)
Office of Interdisciplinary Studies, CL1, Room 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 407-823-0144

Women's Studies Program
Colbourn Hall 411
http://www.cah.ucf.edu/womensstudies
E-mail: womenst@mail.ucf.edu
Contact: Kate Oliver, 407-823-2260

Interdisciplinary Studies - Women's Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

Admission Requirements none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women's Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in this track.
- Students must earn at least a "C" (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies advisor when entering the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program  (36 hrs)
- Communication Foundations  9 hrs
- Cultural and Historical Foundations  9 hrs
- Mathematical Foundations  6 hrs
- Social Foundations  6 hrs
- Science Foundations  6 hrs

2. Common Program Prerequisites none

3. Restricted Electives  (36 hrs)
- Students must complete either the Womanist/Women of Color subject area or the Women's Studies Cognate subject area to satisfy the First Study Area.
- Students must complete one subject area from those specified in the Second Study Area below.
- Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
- Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined.

First Study Area  (18 hrs)
- Womanist/Women of Color Area:
  WST 3460  Womanist Studies  (3 hrs)
  Select 15 hours from the following courses
  AML 3614  Topics in African-American Literature  (15 hrs)
  ANT 4308  Gender Issues in Latin America
  ASH 4304  Women in China
  AML 3682  Ethnic Literature in America
  SYD 3751  North American Indian Women Today

Other courses approved by the Interdisciplinary Studies Advising Team
Women's Studies Cognate Area:
Select 18 hours from the following courses: (18 hrs)
- AML 3614 Topics in African-American Literature
- AML 3662 Ethnic Literature in America
- AML 4261 Literature of the South
- ANT 3212 Peoples of the World
- CCJ 4129 Cultural Diversity in Criminal Justice
- CCJ 4681 Domestic Violence and the Justice System
- EHU 3242 Modern Europe and the First World War
- EHU 5937* Social Theory/History*
- HSC 3593 HIV Disease: A Human Concern
- JLT 5556 Feminist Theory*
- LIN 4643 Cross Cultural Communication
- PEM 2405 Self-Defense for Women and Men
- PHI 3640 Environmental Ethics
- PHI 3670 Ethical Theory
- PHI 4300 Theories of Knowledge
- PUP 3314 Minorities in Politics
- SOP 2772 Sexual Behavior
- SOP 3764 Psychology of Diversity
- SYD 3700 Race and Ethnic Minorities in the U.S.
- SYO 4100 Family Trends
- SYO 4200 Sociology of Religion
- SYP 3630 Sociology of Popular Culture
- SYP 3650 Sociology and Sport
- SYP 4732 Minority Aging
- THE 3230 Cultural Diversity Through Theater

Other courses may be utilized for this area with the permission of the director.

*Undergraduate students will need professor's permission to register for graduate-level courses.

Second Study Area (from those below) (18 hrs)
See the Interdisciplinary Studies Advising Teams for details regarding each area:
- Arts
- Behavioral and Social Sciences
- Commerce
- Communication
- Computational Sciences
- Education
- Engineering
- Health
- Humanities
- Letters and Modern Languages
- Life/Biomedical Sciences
- Physical Sciences
- Public Affairs

4. Required Minor (18 hrs)
Students must complete the Women's Studies minor.

5. Program Exit Requirements
- A grade of "C" or above (2.0) is required for each course taken in each of the subject areas.
- Computer Competency is met by CGS 1060C, STA 1060C, or departmental assessment.

6. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement
Graduation: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.

Note: Students entering without having met the admission requirement must do so in order to graduate.

7. Electives (variable)
Select primarily from upper level courses, with Interdisciplinary Studies advisor's approval. May be outside of Women's Studies.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Interdisciplinary Studies - Interdisciplinary Studies track
Related Minors: Most UCF minors

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

INTERNATIONAL AND GLOBAL STUDIES (B.A.)
College of Sciences
Political Science Department, PH 302, 407-823-2608
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: R. Handberg, 407-823-2608

Admission Requirements none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Double major/dual degree policy in Political Science programs and minors
  1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except POS 2041.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations 9 hrs
     1. Prefer WOH 2012 3 hrs
     2. Prefer from GEP B.2 list 3 hrs
     3. Prefer WOH 2022 3 hrs
   - C. Mathematical Foundations 6 hrs
     1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
     2. Prefer STA 2044C or STA 1060C 3 hrs
   - D. Social Foundations 6 hrs
     1. Prefer POS 2041 3 hrs
     2. Prefer from GEP D.2 list 3 hrs
   - E. Science Foundations 6 hrs
   - 2. Common Program Prerequisites none

2. Core Requirements (24 hrs)
   - INR 2002 International Relations-Theory and Practice 3 hrs
   - POS 2041 American National Government GEP
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - GEO 3471 World Political Geography 3 hrs
   - IDS 4315 Global Perspectives 3 hrs
   - CPO 3103 Comparative Politics 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs
   - INR 4693 International Relations Theory 3 hrs
## UCF Degree Programs

### 4. Restricted Electives (18 hrs)
Note: Students must meet all prerequisites before taking these classes.

#### Regional
- CPO 3034: Politics of Developing Areas
- CPO 3104: Politics of Western Europe
- CPO 3403: Politics of the Middle East
- CPO 3614: Politics of Eastern Europe
- CPO 4062: Comparative Judicial Process
- CPO 4074: Political Economy
- CPO 4101: Politics of European Union
- CPO 4123: Government and Politics of Great Britain
- CPO 4303: Comparative Latin American Politics
- CPO 4553: Politics of Japan
- CPO 4643: Government and Politics of Russia
- CPO 4710: Women in Comparative Politics
- CPO 5334: Contemporary Politics of the Mayan Region
- POS 3253: Contemporary Revolution and Political Violence

**Regional Total:** 9 hrs

#### Functional
- INR 3253: International Politics of Africa
- INR 4030: Diplomacy
- INR 4350: Global Environmental Politics
- INR 4054: Global Politics of Energy
- INR 4074: Immigration Policy
- INR 4075: Human Rights Policy
- INR 4076: Global Drug Policy
- INR 4304: Issues in International Public Policy
- INR 4364: The Intelligence Community
- INR 4714: Politics of International Trade Policy
- INR 4303: International Political Economy
- INR 4085: Women, Gender, and Globalization
- INR 4102: American Foreign Policy
- INR 4104: Topics in Amer Foreign Policy
- INR 4114: American Security Policy
- INR 4115: Strategic Weapons and Arms Control
- INR 4224: Contemporary International Politics of Asia
- INR 4243: International Politics of Latin America
- INR 4335: Coercion in International Politics
- INR 4351: International Environmental Law
- INR 4401: International Law I
- INR 4402: International Law II
- INR 4404: Space Law
- INR 4502: International Organizations
- INR 4591: Internship (a maximum of 3 hours)
- PUP 4503: Government and Science
- PUP 4510: Space Policy

Other courses may be substituted with the chair’s approval.

#### 5. Required minor (18 hrs min)
Select from the following: Asian Studies, French, German, International Business (Business majors only), Italian, European Studies, Latin American Studies, Middle East Studies, or Spanish.

- Note: No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Spanish, or Modern Language Combination.

#### 6. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major.
- Computer Competency met by POS 3703.
- Before applying to graduate, the CLAST must be completely satisfied.

#### 7. Foreign Language Requirements (0-14 hrs)
Admission: Met by graduation requirement

**Graduation:** Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives (variable)
Select primarily from upper level courses, with departmental advisors approval. May be taken outside of the department.

#### 9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

### Related Programs:
- Anthropology, Economics, History

### Related Minors:
- Anthropology, Economics, History, Psychology, Sociology, Philosophy

### Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

### INTERPERSONAL/ORGANIZATIONAL COMMUNICATION (B.A.)

#### College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681

http://communication.cos.ucf.edu/undergraduate/degrees/io.php

Contact: Jeff Butler, 407-823-2432, E-mail: jbutler@mail.ucf.edu

### Admission Requirements
- none

### Degree Requirements
- Students who change degree programs (other than from I/O Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit can be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, Co-op, and independent study credits combined.
- Students should consult with a departmental advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Communication.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. **UCF General Education Program** (36 hrs)
   - A. Communication Foundations
     - Select ENC 1101 & ENC 1102 6 hrs
     - Select SPC 1608 3 hrs
   - B. Cultural and Historical Foundations
     - Select MGF 1106 (may substitute a higher level math) 3 hrs
   - C. Mathematical Foundations
     - Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
   - Select STA 1060C or STA 2014C 3 hrs
   - D. Social Foundations
     - Select POS 3253 6 hrs
   - E. Science Foundations
     - Select POS 3253 6 hrs

2. **Common Program Prerequisites** (0 hrs)
   - Select POS 3253
   - Fund of Oral Communication
   - GPA

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Core Requirements** (15 hrs)
   - a. Select one course
     - STA 1060C 6 hrs
   - Basic Statistics Using Excel
     - STA 2014C 6 hrs
   - Principles of Statistics
   - b. Complete the following
     - Select one course
     - COM 3011C 3 hrs
     - Communication & Human Relations
     - COM 3120 3 hrs
     - Organizational Communication
     - COM 3311 3 hrs
     - Communication Research Methods
     - SPC 3301 3 hrs
     - Interpersonal Communication
     - SPC 3501 3 hrs
     - c. Select one course
     - Select one course
     - CGS 2100C 3 hrs
     - Computer Fundamentals for Business
     - CGS 2585C 3 hrs
     - Desktop/Internet Publishing (PR: CGS 1060C)
     - CGS 3175 3 hrs
     - Internet Applications (PR: CGS 1060C)

4. **Restricted Electives** (21 hrs)
   Select from the following list:
   - COM 3013 3 hrs
   - Communication and the Family
   - COM 3110 3 hrs
   - Business and Professional Communication
   - COM 4014 3 hrs
   - Gender Issues in Communication
   - COM 4461 3 hrs
   - Intercultural Communication

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5. External Restricted Electives (6 hrs)
A minimum of six upper division credit hours selected from courses in Anthropology, Business, Criminal Justice, Legal Studies, Political Science, Psychology, Public Administration, and Sociology.

6. School Exit Requirements
- Achieve a “C” (2.0) or better average GPA in Nicholson School courses.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
- Computer Competency met by achieving a “C” (2.0) or better in CGS 2100C, CGS 2585C, CGS 3175, or by departmental assessment.
- Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
Select primarily from upper level courses. May be taken outside of the School of Communication.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
Related Minors: Mass Communication, Interpersonal Communication, Organizational Communication.

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

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<th>Spring</th>
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<tr>
<td>ENC 1101 Composition I</td>
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Sophomore Year

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<td>PSC 1121* req# 1E-1GEP</td>
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Junior Year

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<td>COM 3111 Com Res Methods</td>
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<td>PUR 4110C req# 3-Core</td>
<td>COM 4014* req# 4-ResElec</td>
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<td>ENC 3250 req# 4-ResElec</td>
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Senior Year

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<tr>
<td>COM 3120 Org Communication</td>
<td>COM 4462* req# 4-ResElec</td>
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<td>SPC 3301 Intpers Com</td>
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<td>COM 4461* req# 4-ResElec</td>
<td>COM 3003* req# 5-Ext RE</td>
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<td>PUP 3325* req# 5-Ext RE</td>
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</table>

JOURNALISM (B.A.)

College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
http://communication.cos.ucf.edu/undergraduate/degrees/journalism.php
E-mail: journalism@ucf.edu
Contact: R. Brunson, 407-823-3151

Limited Access program

Admission Requirements
- Students should apply to become Journalism majors only after completing all requirements for admission. Deadlines are: October 1 to be admitted the next Spring term February 1 to be admitted the next Summer term July 1 to be admitted the next Fall term
- Admission is based on multiple factors, not strictly GPA.
- Maintain an overall minimum 2.25 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis.
- Meet a grammar proficiency standard. Students with AP credit or an “A-” or better in both ENC 1101 and ENC 1102 have satisfied the requirement. All others must pass a grammar proficiency exam administered by UCF’s Counseling and Testing Center.
- Have acceptable keyboard skills.
- Submit an essay demonstrating commitment to the field; include previously published journalistic work, if any.

Degree Requirements
- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommends that majors work for a student newspaper.
- Journalism majors may obtain an off-campus internship with a commercial weekly or daily newspaper or with a magazine.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of three 2-credit internship. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- Students cannot exceed a total of seven credits of internship, Co-op, and practicum credits combined.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF. Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.

School Residency Requirement consists of at least 24 semester hours including JOU 2100C and regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
UCF Degree Programs

- All students are required to pay a fee for equipment insurance.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80-hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

   A. Communication Foundations
      Select ENC 1101 & ENC 1102 6 hrs
      Select SPC 1608 or SPC 1603 3 hrs
   B. Cultural and Historical Foundations
      Select SPC 1635 3 hrs
   C. Mathematical Foundations
      Select MGF 1106 or MGF 1107 3 hrs (may substitute a higher level math)
      Select MTH 2001* or STA 2014C 3 hrs
   D. Social Foundations
      Select 6 hrs
   E. Science Foundations
      Select 6 hrs

2. Common Program Prerequisites: (0 hrs)

   Select one course
   GEP
   SPC 1603 Fund of Technical Presentations or
   SPC 1608 Fund Oral Communication

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Common Core requirements (15 hrs)

   JOU 2100C* News Reporting 3 hrs
   JOU 3101* Advanced Reporting 3 hrs
   MMC 2004 Mass Media Law 3 hrs
   JOU 3201* Editing I 3 hrs
   JOU 4322C Converged Journalism 3 hrs

   *Grammar proficiency must be satisfied.
   Must earn at least a “C” (2.0) to enroll in subsequent courses.

4. Specialization: Select one area

   4.1 Newswriting: Select one area (17-18 hrs)

   a. Required courses
      JOU 3184C* Metro Reporting 3 hrs
      JOU 3101* Advanced Reporting 3 hrs
      JOU 3181C Public Affairs Reporting 3 hrs
   b. Directed Electives (Select from the following) 8-9 hrs
      MMC 2004 Mass Media
      JOU 3004 History of American Journalism
      PGY 3610C Photojournalism I
      JOU 3202 Editing II
      JOU 3313C Sports Reporting
      JOU 4224 Magazine Editing and Production
      JOU 4300 Feature Writing
      Any other JOU prefix writing elective or one 2 credit JOU internship

   4.2 Visual Communication (17-18 hrs)

   a. Required courses
      VIC 3001 Visual Communication 3 hrs
      JOU 4213C Page Design 3 hrs
      JOU 4211C Informational Graphics 3 hrs
   b. Directed Electives (5-6 hrs)
      Select two courses from the following
      MMC 2004 Mass Media
      JOU 3004 History of American Journalism
      JOU 4300C On-line Journalism
      PGY 3610C Photojournalism II
      PGY 3610C Photojournalism III
      CGS 2525C Desktop/Internet Publishing
      JOU 3940 or JOU 4941 Internship (2 credits maximum)

4.3 Editing (17-18 hrs)

   a. Required courses
      JOU 3202 Editing II 3 hrs
      JOU 4213C Page Design 3 hrs
      JOU 3101* Advanced Reporting 3 hrs
      JOU 4211C Informational Graphics 3 hrs
   b. Directed Electives (Select from the following) 5-6 hrs
      MMC 2004 Mass Media
      PGY 3610C Photojournalism I
      JOU 3004 History of American Journalism
      JOU 4224 Magazine Editing and Production
      VIC 3001 Visual Communication
      Any other JOU prefix writing elective or one 2 credit JOU internship

5. Minor: (18 hrs min)

   Journalism majors must complete an 18 hour minor in an academic area outside of the School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Faculty.

6. School Exit Requirements

   - Acceptance of portfolio by faculty
   - To avoid delaying graduation, you must request a review of requirements before registering for your last term
   - Achieve an overall “C” GPA (2.0) in courses taken within the school used to satisfy the major.
   - Computer Competency met by CGS 1060C or by department assessment.
   - Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)

   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, credit by exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Electives (variable)

   Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. University Minimum Exit Requirements

   - Total Semester Hours Required 120 hrs
   - Related Programs: Technical Writing, Creative Writing
   - Related Minors: Creative Writing, History, Literature, Linguistics, Magazine Journalism (not available to Journalism majors), Political Science, Sociology, Technical Writing, Writing
   - Transfer Notes:
     - Lower division courses taken at community colleges do not substitute for Upper Division courses.
     - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student ........................................ $44 per term
- Part-time Student ......................................... $22 per term
LEGAL STUDIES (B.A., B.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311, 407-823-2603
http://www.coehpa.ucf.edu/crim.jus/
Undergraduate Program Director and Pre-Law Advisor:
David Slaughter, E-mail: dslaught@mail.ucf.edu

Admission Requirements
none

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- 33 hours of PLA coursework must be taken at UCF
- 2.0 in all PLA work at UCF and overall

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      9 hrs
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 1608
   B. Cultural Historical Foundations
      9 hrs
      1. CHM 1020
      2. MCB 1310
      3. or EUH 2000
   C. Mathematical Foundations
      6 hrs
      1. MGF 1106
      2. MGF 1107
      3. MGF 1108
   D. Social Foundations
      6 hrs
      1. HUM 2210
      2. HUM 2220
      3. HUM 2230
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites
none

3. Core Requirements (21 hrs)
   PLA 3013 Law and the Legal System 3 hrs
   PLA 3104 Legal Research 3 hrs
   PLA 3155 Legal Writing 3 hrs
   PLA 3201 Civil Practice and Procedure 3 hrs
   PLA 3610 Property and Real Estate Law 3 hrs
   PLA 4700 Professional Ethics and Liability 3 hrs
   PLA 4935 Capstone: Legal Issues 3 hrs
   Note: All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.

4. Upper Division Restricted Electives (21 hrs)
   21 additional hours of Legal Studies coursework selected in consultation with an advisor

5. Supporting Courses (9-15 hrs)
   Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student's advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student's advisor.

6. Specializations
   Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
   - Law and Society
   - Litigation and Advocacy
   - Public Law
   - Sports and Entertainment Law
   - Criminal Law and Individual Liberties
   - Estates and Property Law
   - Comparative and International Law
   - Commercial and Transactional Law

A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student's advisor.

7. Departmental Exit Requirements (120 hrs)
   Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.

8. Electives (variable)
   The following electives must be completed with a minimum grade of "C" (2.0): PLA 4020, PLA 4240, PLA 4910

9. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Transfer Note:
    Courses taken at community colleges do not substitute for Upper Division courses.

Related Programs: Business Administration, Criminal Justice, History, Political Science, Public Administration, Sociology

Related Minors: Business Administration, Criminal Justice, Political Science, Public Administration, Sociology

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

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<th>Freshman Year</th>
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<td>CGS 1060C</td>
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<td>MGF 1106</td>
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<td>BSC 1005 or MCB 1310</td>
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UCF Degree Programs

Junior Year

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<td>PLA 3155</td>
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Senior Year

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<tr>
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<td>Elective/Minor</td>
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<td>Elective/Minor</td>
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LIBERAL STUDIES

Note: See Interdisciplinary Studies.

MANAGEMENT (B.S.B.A.)

College of Business Administration

BA2 101, 407-823-2184

http://www.bus.ucf.edu

Not eligible for a double degree with another College of Business Administration major

1. Admission Requirements

- Completion of the UCF General Education program, and Gordon Rule, or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements

A. Communication Foundations               9 hrs
   Preferred: SPC 1608
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
   Select MAC 1140 Pre-Calculus 3 hrs
   Select CGS 2100C Computer Fundamentals for Bus 3 hrs
D. Social Foundations
   Select ECO 2013 Macroeconomics or 3 hrs
   ECO 2023 Microeconomics
   Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
E. Science Foundation                       6 hrs

2. Common Program Prerequisites

- Must be completed with a "C" (2.0) or better.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Macroeconomics 3 hrs
- ECO 2023 Microeconomics 3 hrs
- *ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
*At UCF, students who have completed MAC 2233 and STA 2233 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401. See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Required for All Business Majors

   Core Classes

   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester) 4 hrs
   GEB 3375 Introduction to International Business 4 hrs
   BUL 2130 Legal & Ethical Environments of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   ISM 3011C Essentials of Management Information Systems 4 hrs
   MAR 3023 Marketing 4 hrs
   Last Semester:
   MAN 4720 Strategic Management 4 hrs

4. Special college and/or department requirements:

- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
- Students majoring in Management must earn a grade of "C" (2.0) or better in MAN 3025, MAN 4720, and each course applied toward the major.

5. Tracks

Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

- **Human Resource Management Track** (24 hrs)
  - Required Courses (15 hrs)
    - MAN 3301 Human Resource Management 3 hrs
    - MAN 4240 Organizational Theory and Behavior 3 hrs
    - MAN 4320 Recruitment and Selection 3 hrs
    - MAN 4330 Compensation Administration 3 hrs
    - MAN 4350 Training and Development 3 hrs
  - Elective Courses (9 hrs)
    - Choose among MAN courses, BUL 4540, GEB 4111, and GEB 4110
      - MAN Elective 3 hrs
      - MAN Elective 3 hrs
      - MAN Elective 3 hrs

- **General Management Track** (24 hrs)
  - Required Courses (15 hrs)
    - ISM 3530 Quality & Productivity Management 3 hrs
    - MAN 4101 Human Relations in Management 3 hrs
    - MAN 4240 Organizational Theory & Behavior 3 hrs
    - MAN 4600 International Management 3 hrs
    - MAN 4670 Business Ethics and Society 3 hrs
  - Elective Courses (9 hrs)
    - Choose among MAN courses, BUL 4540, GEB 3113, GEB 4111, and GEB 4110
      - MAN Elective 3 hrs
      - MAN Elective 3 hrs
      - MAN Elective 3 hrs

- **Management Track: Entrepreneurship** (24 hrs)
  - Required Courses (15 hrs)
    - MAN 3301 Human Resources Management 3 hrs
    - MAN 4802 Entrepreneurship 3 hrs
    - GEB 4110 Business Plan Preparation 3 hrs
    - GEB 4111 New Venture Finance 3 hrs
    - MAR 3641 Market Intelligence 3 hrs
    - MAR 3391 Professional Selling 3 hrs
  - Elective Courses (chose among MAN courses and BUL 4540) (9 hrs)
    - MAN Elective 3 hrs
    - MAN Elective 3 hrs
    - MAN Elective/BUL 4540 Employment Law 3 hrs

6. Foreign Language Requirements

- **(0-8 hrs)**
- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation: none

7. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

8. Electives*** (variable)

- Total Semester Hours Required 120 hrs
### HUMAN RESOURCE MANAGEMENT TRACK

#### Junior

<table>
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<th>Term</th>
<th>Hours</th>
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<td>MAR 3023</td>
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#### Senior

<table>
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<th>Term</th>
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</thead>
<tbody>
<tr>
<td>1st</td>
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</tr>
<tr>
<td>MAN 4330</td>
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<tr>
<td>MAN 4240</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4320</td>
<td>3</td>
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<tr>
<td>ISM 3011C</td>
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<tr>
<td><strong>MAN Elective</strong></td>
<td><strong>3</strong></td>
</tr>
<tr>
<td><strong>MAN Elective</strong></td>
<td><strong>3</strong></td>
</tr>
<tr>
<td><strong>Students select three electives from among MAN courses and BUL 4540.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>General electives as required to reach 120 semester hours.</strong></td>
<td></td>
</tr>
</tbody>
</table>

## UCF Degree Programs

### Management Information Systems (B.S.B.A.)

**College of Business Administration**

1. **BA2 101, 407-823-2184**

**http://www.bus.ucf.edu**

Not eligible for a double degree with another College of Business Administration major

### Admission Requirements

- Completion of the UCF General Education program, and Gordon Rule, or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

### Degree Requirements

#### 1. UCF General Education Program

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Preferred: SPC 1608</td>
<td></td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td></td>
</tr>
<tr>
<td>Select MAC 1140 Pre-Calculus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td></td>
</tr>
<tr>
<td>Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one: PSY 2012, SYG 2000, ANT 2000</td>
<td>3 hrs</td>
</tr>
<tr>
<td>E. Science Foundation</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites

- Must be completed with a 2.0 or better.
- ACG 2071 Principles of Managerial Accounting
- ECO 2013 Macroeconomics
- ECO 2023 Microeconomics
- CGS 2100C Computer Fundamentals for Business
- ECO 3401 Quantitative Business Tools I

At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 3. Core Classes

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031 Cornerstone (Required in 1st or 2nd semester)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEB 3375 Introduction to International Business</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
4. Special college and/or department requirements:

- Students who change degree programs and select this major must adopt the most current catalog.
- Students desiring to major in Management Information Systems must apply for admission to the major and have at least a 2.0 GPA in Common Program Prerequisites.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- All courses required for the major (including electives) must be completed with a grade of “C” (2.0) or better in order to graduate.
- All College of Business Administration students are expected to have access to late model computers and the software needed to complete class assignments. This requirement is especially important for MIS majors. Contact a department advisor for the current expectations.
- Students are cautioned to study the course prerequisite structure and the Four Year Plan of Study later in this section when planning their schedules. MIS course prerequisites cannot be waived.
- Lower division courses may not be taken for upper division credit in the major.
- Students must earn at least a 2.0 GPA in the major and COB.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisite class.

5. Required Courses (20 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM 3253 MIS Techniques</td>
<td>4</td>
</tr>
<tr>
<td>ISM 4113 Information Systems Analysis &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4212C Database Management Systems</td>
<td>4</td>
</tr>
<tr>
<td>ISM 4220 Distributed Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4300 Information Technology Management</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4400 Decision Support Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus two of the following: (6 hrs)

- Any 3000 or 4000 level ISM prefix course.

6. Foreign Language Requirements (0-8 hrs)

- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation:

- none

7. University Minimum Exit Requirements

- A 2.0 UCF cumulative GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

8. Electives*** (variable)

Total Semester Hours Required 120 hrs

Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student ........................................... $30 per term
- Part-time Student ............................................. $15 per term

FOUR YEAR PLAN OF STUDY - ALL MANAGEMENT INFORMATION SYSTEMS MAJORS

Freshman

<table>
<thead>
<tr>
<th>Term</th>
<th>1st Term</th>
<th>2nd Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 hrs</td>
<td>ENC 1101*</td>
<td>ENC 1102*</td>
</tr>
<tr>
<td></td>
<td>Cult-Hist I</td>
<td>Cult-Hist II</td>
</tr>
<tr>
<td></td>
<td>GEB 3031</td>
<td>MAR 3023</td>
</tr>
<tr>
<td></td>
<td>***Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**<em>Eco 3401</em></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>***Elective</td>
<td>3 GS 2100C*</td>
</tr>
<tr>
<td></td>
<td>Must complete nine hours in a summer semester</td>
<td></td>
</tr>
<tr>
<td>15 hrs</td>
<td>AAC 2021*</td>
<td>AAC 2071*</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>Science</td>
</tr>
<tr>
<td></td>
<td>Psy/Soc/Ant</td>
<td>MAR 3023</td>
</tr>
<tr>
<td></td>
<td>***Elective</td>
<td>3 ECO 3401*</td>
</tr>
<tr>
<td></td>
<td>***C (2.0) or better grade required in each class</td>
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</tr>
</tbody>
</table>

Sophomore

<table>
<thead>
<tr>
<th>Term</th>
<th>1st Term</th>
<th>2nd Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 hrs</td>
<td>ECO 2023*</td>
<td>ECO 2013*</td>
</tr>
<tr>
<td></td>
<td>ACG 2021*</td>
<td>ACG 2071*</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>Science</td>
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<td></td>
<td>Psy/Soc/Ant</td>
<td>MAR 3023</td>
</tr>
<tr>
<td></td>
<td>***Elective</td>
<td>3 ECO 3401*</td>
</tr>
<tr>
<td></td>
<td>**C (2.0) or better grade required in each class</td>
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Junior

<table>
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<tr>
<th>Term</th>
<th>1st Term</th>
<th>2nd Term</th>
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<tbody>
<tr>
<td>16 hrs</td>
<td>GEB 3031</td>
<td>MAR 3023</td>
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<tr>
<td></td>
<td>ISM 3011C</td>
<td>ISM 4212C</td>
</tr>
<tr>
<td></td>
<td>ISM 3253</td>
<td>ISM 4220</td>
</tr>
<tr>
<td></td>
<td>GEB 3375</td>
<td>ECO 3411</td>
</tr>
<tr>
<td></td>
<td><strong>Elective</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**General electives as required to reach 120 semester hours.</td>
<td></td>
</tr>
</tbody>
</table>

Senior

<table>
<thead>
<tr>
<th>Term</th>
<th>1st Term</th>
<th>2nd Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 hrs</td>
<td>ISM Elective</td>
<td>MAN 4720</td>
</tr>
<tr>
<td></td>
<td>FIN 3403C</td>
<td>ISM 4300</td>
</tr>
<tr>
<td></td>
<td>ISM 4401</td>
<td>ISM Elective</td>
</tr>
<tr>
<td></td>
<td>MAN 3025</td>
<td>BUL 3130</td>
</tr>
<tr>
<td></td>
<td>ISM 4113</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**General electives as required to reach 120 semester hours.</td>
<td></td>
</tr>
</tbody>
</table>

MARKETING (B.S.B.A.) – GENERAL PROGRAM

College of Business 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 Public Community College
Degree Requirements

1. UCF General Education Program (36 hrs)
   - Communication Foundations: 9 hrs
     Preferred: SPC 1608
   - Cultural and Historical Foundations: 9 hrs
   - Mathematical Foundations: 3 hrs
     Select MAC 1140 Pre-Calculus
   - Computer Fundamentals for Bus: 3 hrs
     Select one: PSY 2012, SYG 2000, ANT 2000
   - Social Foundations: 3 hrs
     Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics
   - Science Foundation: 6 hrs

2. Core Classes (18-21 hrs)
   - Must be completed with a "C" (2.0) or better.
   - Principles of Managerial Accounting: 3 hrs
   - Macroeconomics: 3 hrs
   - Microeconomics: 3 hrs
   - *Quantitative Business Tools I: 3 hrs
   - Computer Fundamentals for Business: 3 hrs
   - If At UCF, students who have completed MAC 2223 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3402.

3. Required for All Business Majors (36 hrs)
   - Cornerstone (Required in 1st or 2nd semester): 4 hrs
   - Introduction to International Business: 4 hrs
   - Legal & Ethical Environments of Business: 4 hrs
   - Quantitative Business Tools II: 4 hrs
   - Business Finance: 4 hrs
   - Management of Organizations: 4 hrs
   - Essentials of Management: 4 hrs
   - Information Systems: 4 hrs
   - Marketing: 4 hrs

4. Special college and/or department requirements:
   - Must complete all Gordon Rule requirements, prior to admission to this degree.
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
   - Students wanting to major in Marketing must apply for admission to the major.
   - Final exams will be given during Exam Week.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Students majoring in Marketing must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. MAR 3023 is included in this requirement.
   - Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (18 hrs)
   - Professional Selling: 3 hrs
   - Consumer Behavior: 3 hrs
   - Marketing Analysis and Research: 3 hrs
   - Marketing Intelligence: 3 hrs
   - Marketing Management: 3 hrs
   - Marketing Strategy: 3 hrs

6. Restricted Electives - General Marketing (6 hrs)
   - Integrated Marketing Communication: 3 hrs
   - Sales Force Management: 3 hrs
   - E-Marketing: 3 hrs
   - International Marketing: 3 hrs

7. Restricted Electives-Sales Track* (9 hrs)
   - Students must take:
     - Sales Management: 3 hrs
     - Advanced Professional Selling: 3 hrs
     - Strategic Issues in Sales: 3 hrs

8. Foreign Language Requirements (0-8 hrs)
   - Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation: none

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives*** (variable)

Total Semester Hours Required 120 hrs

Major(s) who meet departmental criteria are also eligible to apply for a marketing internship (MAR 4941). For additional information about the department, curriculum, faculty, events, and careers in marketing, students are invited to visit our department home page at: http://www.bus.ucf.edu/marketing/.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
FOUR YEAR PLAN OF STUDY – GENERAL MARKETING

Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ENC 1102* 3
Cul-Hist I* 3 Cul-Hist II* 3
SPC 1030 3 Art/Music/Lit 3
***Elective 3 MAR 5105* 3
***Elective 3 CBS 2100C 3
Must complete nine hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ISM 3011C 4 MAR 4413C 3
MAN 3025 4 BUL 3130 4
MAR 4415C 3 MAR 4804 3
MAR 4803 3 MAN 4720 4
1st Term 17 hrs 2nd Term 17 hrs
Senior
1st Term 16 hrs 2nd Term 16 hrs
MAR 3613 3

Junior
1st Term 16 hrs 2nd Term 16 hrs
GEB 3375 4 FIN 3403C 4
GEB 3031 4 MAR 3403 3
ECO 3411 4 MAR 3391 3
1st Term 16 hrs 2nd Term 16 hrs
Senior
1st Term 16 hrs 2nd Term 16 hrs
MAR 3023 4

Must complete nine hours in a summer semester

Junior
1st Term 16 hrs 2nd Term 16 hrs
ECO 3411 4 MAR 3391 3
GEB 3031 4 BUL 3130 4
GEB 3375 4 FIN 3403C 4
MAR 3023 4 MAR 3503 3
1st Term 16 hrs 2nd Term 16 hrs
Senior
1st Term 16 hrs 2nd Term 16 hrs

Sophomore
1st Term 16 hrs 2nd Term 16 hrs
ECO 3411 4 MAR 3391 3
GEB 3031 4 BUL 3130 4
GEB 3375 4 FIN 3403C 4
MAR 3023 4 MAR 3503 3
1st Term 16 hrs 2nd Term 16 hrs
Senior
1st Term 16 hrs 2nd Term 16 hrs

Sophomore
1st Term 16 hrs 2nd Term 16 hrs
ECO 3411 4 MAR 3391 3
GEB 3031 4 BUL 3130 4
GEB 3375 4 FIN 3403C 4
MAR 3023 4 MAR 3503 3
1st Term 16 hrs 2nd Term 16 hrs
Senior
1st Term 16 hrs 2nd Term 16 hrs

Senior
1st Term 16 hrs 2nd Term 16 hrs

Electives as required to reach 120 semester hours.

1. UCF General Education Program (36+2 hrs)
   (Note: Certain courses may be selected for this major, bringing GEP hours above 36)

   A. Communication Foundations
   9 hrs

   B. Cultural and Historical Foundations
   9 hrs

   C. Mathematical Foundations

   1. Select MAC 2311 4 hrs
   2. Select COP 3502C 3 hrs

   D. Social Foundations
   6 hrs

   E. Science Foundations

   1. Select PHY 2048 & L 4 hrs
   2. Select a listed course 3 hrs

   2. Common Program Prerequisites (15 hrs)

   COP 3223* Intro to Programming with C 3 hrs
   MAC 2311 Calculus with Analytic Geo I GEP
   MAC 2312 Calculus with Analytic Geo II 4 hrs
   MAC 2313 Calculus with Analytic Geo III 4 hrs
   PHY 2048&L Physics for Sci & Eng I w/lab 4 hrs
   PHY 2049&L Physics for Sci & Eng II w/lab 4 hrs

   *See Transfer Notes for possible substitutes

   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   3. Core requirements (48 hrs)

   PHY 2048&L Physics for Sci & Eng I w/lab GEP
   PHY 2049&L Physics for Sci & Eng II w/lab CPP

   One course selected from

   MAF 3241 Writing for Technical Professional
   MAF 3310 English Writing I
   ENC 3111 English Writing II
   ENC 3111 Advanced Expository Writing
   STA 2023 Statistical Methods I
   MTH 3302 Logic and Proof in Mathematics
   MAP 2302 Differential Equations
   MAS 3105 Matrix & Linear Algebra
   MAS 3106 Linear Algebra

   Select one course

   MAP 4103 Mathematical Modeling I 3 hrs
   COP 3025C Computer Science I GEP
   COP 3223C Intro to Programming with C 3 hrs
   COP 3502C Advanced Calculus I 4 hrs
   COP 3411C Numerical Calculus 3 hrs
   COP 3411C Applied Combinatorics 3 hrs
   COP 3411C Vector and Tensor Analysis 3 hrs

   General electives as required to reach 120 semester hours.

---

Four Year Plan of Study – Marketing: Sales Track

Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ENC 1102* 3
Cul-Hist I* 3 Cul-Hist II* 3
SPC 1030 3 Art/Music/Lit 3
***Elective 3 MAR 5105* 3
***Elective 3 CBS 2100C 3
Must complete nine hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ISM 3011C 4 MAR 4413C 3
MAN 3025 4 BUL 3130 4
MAR 4415C 3 MAR 4804 3
MAR 4803 3 MAN 4720 4
1st Term 17 hrs 2nd Term 17 hrs
Senior
1st Term 16 hrs 2nd Term 16 hrs
MAR 3613 3

Junior
1st Term 16 hrs 2nd Term 16 hrs
GEB 3375 4 FIN 3403C 4
GEB 3031 4 MAR 3403 3
ECO 3411 4 MAR 3391 3
1st Term 16 hrs 2nd Term 16 hrs
Senior
1st Term 16 hrs 2nd Term 16 hrs
MAR 3023 4

Must complete nine hours in a summer semester

Junior
1st Term 16 hrs 2nd Term 16 hrs
ECO 3411 4 MAR 3391 3
GEB 3031 4 BUL 3130 4
GEB 3375 4 FIN 3403C 4
MAR 3023 4 MAR 3503 3
1st Term 16 hrs 2nd Term 16 hrs
Senior
1st Term 16 hrs 2nd Term 16 hrs

Sophomore
1st Term 16 hrs 2nd Term 16 hrs
ECO 3411 4 MAR 3391 3
GEB 3031 4 BUL 3130 4
GEB 3375 4 FIN 3403C 4
MAR 3023 4 MAR 3503 3
1st Term 16 hrs 2nd Term 16 hrs
Senior
1st Term 16 hrs 2nd Term 16 hrs

Senior
1st Term 16 hrs 2nd Term 16 hrs

Electives as required to reach 120 semester hours.

1. UCF General Education Program (36+2 hrs)
   (Note: Certain courses may be selected for this major, bringing GEP hours above 36)

   A. Communication Foundations
   9 hrs

   B. Cultural and Historical Foundations
   9 hrs

   C. Mathematical Foundations

   1. Select MAC 2311 4 hrs
   2. Select COP 3502C 3 hrs

   D. Social Foundations
   6 hrs

   E. Science Foundations

   1. Select PHY 2048 & L 4 hrs
   2. Select a listed course 3 hrs

   2. Common Program Prerequisites (15 hrs)

   COP 3223* Intro to Programming with C 3 hrs
   MAC 2311 Calculus with Analytic Geo I GEP
   MAC 2312 Calculus with Analytic Geo II 4 hrs
   MAC 2313 Calculus with Analytic Geo III 4 hrs
   PHY 2048&L Physics for Sci & Eng I w/lab 4 hrs
   PHY 2049&L Physics for Sci & Eng II w/lab 4 hrs

   *See Transfer Notes for possible substitutes

   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   3. Core requirements (48 hrs)

   PHY 2048&L Physics for Sci & Eng I w/lab GEP
   PHY 2049&L Physics for Sci & Eng II w/lab CPP

   One course selected from

   MAF 3241 Writing for Technical Professional
   MAF 3310 English Writing I
   ENC 3111 English Writing II
   ENC 3111 Advanced Expository Writing
   STA 2023 Statistical Methods I
   MTH 3302 Logic and Proof in Mathematics
   MAP 2302 Differential Equations
   MAS 3105 Matrix & Linear Algebra
   MAS 3106 Linear Algebra

   Select one course

   MAP 4103 Mathematical Modeling I 3 hrs
   COP 3025C Computer Science I GEP
   COP 3223C Intro to Programming with C 3 hrs
   COP 3502C Advanced Calculus I 4 hrs
   COP 3411C Numerical Calculus 3 hrs
   COP 3411C Applied Combinatorics 3 hrs
   COP 3411C Vector and Tensor Analysis 3 hrs

   General electives as required to reach 120 semester hours.
### 4. Restricted Electives

<table>
<thead>
<tr>
<th>Elective</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Applied Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select from COT 4210, COT 4400, COT 5507, COT 5510, EGN 3110, EGN 3321, EGN 3343, EGN 3373, STA 4102, STA 5103, STA 4641</td>
<td></td>
</tr>
<tr>
<td>b. Biological or physical sciences Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Note:** Students must satisfy course prerequisites before enrolling. Select from PCB 3044, PCB 3063, PCB 4302C, PCB 4303C, CHM 3410, CHM 2210, PHY 3101, PHY 3323, PHY 4324, PHY 4424, PHY 4604.

### 5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-4 above)
- Participate in an exit interview.
- Computer Competency met by COP 3502C
- Before applying to graduate, the CLAST must be completely satisfied.

### 6. Foreign Language Requirements

**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

### 7. Electives

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

**Total Semester Hours Required:** 120 hrs

### Related Programs

- Applied Math, Computer Science, Engineering, Math Education, Statistics

### Related Minors

- Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics

### Transfer Notes:

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes

For common program prerequisites if taken prior to transferring to UCF:

- COP 3223* may use any language programming course with a COP prefix
- PHY 2048 & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

### Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Summer


### UCF Degree Programs

#### Mathematics - Computational Track (B.S.)

**College of Sciences**

**Department of Mathematics, MAP 207, 407-823-6284**

**http://math.ucf.edu**

E-mail: math@mail.ucf.edu

Contact: H. Martin, MAP 215A, 407-823-5700,

E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

**Admission Requirements**

- Degree Requirements
  - Students who change degree programs and select this major must adopt the most current catalog.
  - All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by, the Department of Mathematics at UCF.
  - Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
  - Students must earn at least a "C" (2.0) in each required course.
  - Co-op or internship credit cannot be used in this major.
  - Students should consult with a departmental advisor.
  - Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program

**Freshman Year**

- **Fall**
  - ANT 2000* req# 1D-GEP
  - ENC 1101 Composition I
  - MAC 2311 Calc Anal Geo I
  - STA 2023 Stat Methods I
- **Spring**
  - 3 BSC 1050* req# 1E-GEP
  - ENC 1102 Composition II
  - MAC 2312 Calc Anal Geo II
  - STA 2023 Stat Methods II

- **Sophomore Year**
  - **Fall**
    - COM 1000* req# 1A-GEP
    - PHY 2048 Phy for Eng Sci I
    - PHY 2048L Phy L Eng Sci I
    - MAC 2313 Calc Anal Geo III
    - MAS 3105 Matrix and Lin Alg
  - **Spring**
    - 3 POS 2041* req# 1B-GEP
    - 3 MAP 2302 Diff Equations
    - 1 MAS 3106 Linear Algebra
    - 4 PHY 2049 Phy for Eng Sci II
    - 4 PHY 2049L Phy L Eng Sci II

- **Junior Year**
  - **Fall**
    - AMH 2010* req# 1B3-GEP
    - COP 3223 Intro to Prog C
    - MAD 4203* req# 3-Core
    - MAP 4363 Ap Bound Prob I
    - Elective* Check restrictions
  - **Spring**
    - 3 COP 3502 Computer Science I
    - 3 MUL 2010* req# 1B2-GEP
    - 4 MAP 4307 App complex var
    - 3 MAP 4364 Ap Bound Prob II
    - 4 Elective* Check restrictions

- **Senior Year**
  - **Fall**
    - ARH 2050* req# 1B1-GEP
    - COP 3500 Numerical Calculus
    - MAA 4226 Adv Calculus I
    - STA 4321 Stat Theory I
    - COT 4210* req# 4a-ResElec
  - **Spring**
    - 3 ENC 3241* req# 3-Core
    - 3 MAP 4303 Math Modeling I
    - 4 STA 4322 Stat Theory II
    - 3 PCB 3063* req# 4b-ResElec
    - 3 Elective* Check restrictions

**Total Semester Hours Required** (36 + 2 hrs)

**Note:** Certain courses must be selected for this major, bringing GEP hours above 36.

- A. Communication Foundations
- B. Cultural and Historical Foundations
- C. Mathematical Foundations
  - 1. Select MAC 2311
  - 2. Select COP 3502C
- D. Social Foundations
- E. Science Foundations
  - 1. Select PHY 2048 & L
  - 2. Select a listed course

**2. Common Program Prerequisites**

- COP 3223* Intro to Programming with C
- MAC 2311 Calculus with Analytic Geo I
- MAC 2312 Calculus with Analytic Geo II
- MAC 2313 Calculus with Analytic Geo III
- PHY 2048L&L Physics for Sci & Eng I
- PHY 2049L&L Physics for Sci & Eng II
- See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
### Basic Core Requirements (6 hrs)
- COP 3502C: Programming I (GEP)
- PHY 2048&L: Physics for Sci & Eng I w/lab (CPP)
- PHY 2049&L: Physics for Sci & Eng II w/lab (CPP)
- STA 2023: Statistical Methods I (3 hrs)
- MAP 2302: Differential Equations (3 hrs)

### Advanced Core Requirements (42 hrs)
- Select one course:
  - MTH 3302: Logic and Proofs in Mathematics (3 hrs)
  - COP 3100C: Intro to Discrete Structures (3 hrs)
- Select one course:
  - ENC 3341: Writing for the Tech Professional (3 hrs)
  - MAS 3106: Abstract Algebra (4 hrs)
- Select one course:
  - MAD 4203: Applied Combinatorics (3 hrs)
  - MAP 4307: Applied Complex Variables (3 hrs)
  - MAP 4363: Applied Boundary Value Prob I (3 hrs)
- STA 4322: Statistical Theory I (3 hrs)
- MAP 4364: Applied Boundary Value Prob II (3 hrs)
- COP 3503C: Computer Science II (4 hrs)
- STA 4323: Statistical Theory II (3 hrs)
- MAA 4226: Advanced Calculus I (4 hrs)
- COP 4500: Numerical Calculus (3 hrs)
- Select one course:
  - MAP 4103: Mathematical Modeling I (3 hrs)
  - MAP 4153: Vector and Tensor Analysis (3 hrs)

### Restricted Electives (18 hrs)
- Select six upper division courses:
  - COP 3402: Software Systems (3 hrs)
  - COP 4331C: Proc. For OS Software Dev (3 hrs)
  - EEL 4768C: Computer Architecture (3 hrs)
  - COP 4020: Programming Languages I (3 hrs)
  - COP 4600: Operating Systems (3 hrs)
  - COP 4210: Advanced C Programming II (3 hrs)
- Select one course:
  - COP 3502C: Intro to Programming with C (3 hrs)
  - MAP 4302: Introduction to Computational Structures II (3 hrs)
  - or any MAA, MAD, MAP, MAS, or MTG upper division courses

### Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Complete the General Education Program, the Gordon Rule, and the Departmental Residency Requirement.
- Before applying to graduate, the CLAST must be completed satisfactorily.

### Foreign Language Requirements
- Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Graduation: none

### Electives (variable)
- Students desiring to complete a double major in both Computer Science and Applied Mathematics must also complete all the requirements of the School of Computer Science. To minimize the total hours taken for both majors, students should select an advanced computer science course for the unrestricted elective.

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120 hrs

### Acceptable Substitutes
- COP 3223*: may use any programming language course with a COP prefix.
- PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oes.ucf.edu/alac/academic_learning_compacts.htm](http://www.oes.ucf.edu/alac/academic_learning_compacts.htm)

### Mathematics - Engineering/Physics Track (B.S.)

#### College of Sciences
- Department of Mathematics, MAP 207, 407-823-6284
  - [http://math.ucf.edu](http://math.ucf.edu)
- E-mail: math@mail.ucf.edu
- Contact: H. Martin, MAP 215A, 407-823-5700
- E-mail: martin@math.ucf.edu

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

### Admission Requirements
- none

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313 and MAP 2302 must either be taken from, or approved by, the Department of Mathematics at UCF.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.

### Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (36+2 hrs)
- A. Communication Foundations: 9 hrs
- B. Cultural and Historical Foundations: 9 hrs
- C. Mathematical Foundations:
  - 1. Select MAC 2311: 3 hrs
  - 2. Select COP 3502C: 3 hrs
- D. Social Foundations: 6 hrs
- E. Science Foundations:
  - 1. Select PHY 2048 & L: 4 hrs
  - 2. Select a listed course: 3 hrs

#### 2. Common Program Prerequisites (15 hrs)
- COP 3223*: Intro to Programming with C (3 hrs)
- MAC 2311: Calculus with Analytic Geo I (4 hrs)
- MAC 2312: Calculus with Analytic Geo II (4 hrs)
- MAC 2313: Calculus with Analytic Geo III (4 hrs)
- PHY 2048&L: Physics for Sci & Eng I w/lab (4 hrs)
- PHY 2049&L: Physics for Sci & Eng II w/lab (4 hrs)

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

#### 3. Basic Core Requirements (6 hrs)
- COP 3502C: Computer Science I (GEP)
- PHY 2048&L: Physics for Sci & Eng I w/lab (CPP)
- PHY 2049&L: Physics for Sci & Eng II w/lab (CPP)
- MAP 2302: Differential Equations (3 hrs)
- Select one course:
  - STA 3022: Prob & Stats for Engineers (3 hrs)
  - STA 2023: Statistical Methods I (3 hrs)

#### 4. Advanced Core Requirements (53 hrs)
- Select one course:
  - MTH 3302: Logic and Proof in Mathematics (3 hrs)
  - COP 3100C: Intro to Discrete Structures
Select one course  
EEL 4767C Computer System Design I  4 hrs
EEL 4832 Eng. Applications of Computer Models  3 hrs
EEL 4851C Engineering Data Structures  4 hrs
or any MAA, MAD, MAP, or MAS course at 3000 level or above

6. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Computer Competency met by EGN 3420 or COP 3502C.
- Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements
Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation:  none

8. Electives
(variable)
Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 45 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondance, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics
Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3223*: may use any programming language course with a COP prefix.
- PHY 2048* & PHY 2049 with labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

MATHEMATICS -  
MATHEMATICAL ECONOMICS TRACK (B.S.)
College of Sciences
Department of Mathematics, MAP 207, 407-823-6284
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 215A, 407-823-5700, E-mail: martin@math.ucf.edu

The Mathematics - Mathematical Economics track is designed for students who wish to earn a B.S. degree in Mathematics with an emphasis in Economics. This interdisciplinary program is carefully structured so that a student has an opportunity to develop mathematical skills that can be applied to problems in economic theory and quantitative analysis. These critical thinking and analytical skills will be useful as preparation for graduate study and careers in a variety of fields.
## UCF Degree Programs

### Admission Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by, the Department of Mathematics at UCF.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics and Economics Departments.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students should consult with the major advisors for the Department of Mathematics and Economics.
- Preferred: SPC 1608

### 1. UCF General Education Program

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Communication Foundations</strong></td>
<td>9 hrs</td>
</tr>
<tr>
<td><strong>B. Cultural and Historical Foundations</strong></td>
<td>9 hrs</td>
</tr>
<tr>
<td><strong>C. Mathematical Foundations</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select MAC 2311 Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Select STA 2303 Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>D. Social Foundations</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select ECO 2013 Macroeconomics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one: PSY 2012, SYG 2000</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>E. Science Foundations</strong></td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048 &amp; L, CHM 2045C or BSC 2010C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Select a listed course from the Science group not completed</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COP 3223</strong> Intro to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geo I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geo II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geo III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Complete the following sequences, GEP,</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048L &amp; PHY 2049L Physics for Eng &amp; Sci I &amp; II, or</td>
<td></td>
</tr>
<tr>
<td>CHM 2045C &amp; CHM 2046 &amp; L Chemistry Fundamentals I &amp; II, or</td>
<td></td>
</tr>
<tr>
<td><strong>ECP 4302</strong> Applications of Complex Variables</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>ECP 4403</strong> Industrial Organization &amp; Game Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>EHF 4302</strong> Environ. &amp; Natural Res. Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>ECP 4302</strong> Statistical Theory II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 3. Basic Core Requirements

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 213 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MTH 3312 Logic and Proof in Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105 Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 4321 Statistical Theory I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3101 Intermediate Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3203 Intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4451 Research Methods in Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Advanced Core Requirements

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAA 4226 Advanced Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3106 Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 4103 Mathematical Modeling I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3410 Mathematical Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4412 Econometrics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

Select 3 courses from each of the following two areas:

**Area 1 (3 courses)**

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COT 4504 Numerical Calculus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 4203 Applied Combinatorics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4363 Applied Boundary Value Problems I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4313 Probability, Random Proc. &amp; App. I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4307 Applications of Complex Variables</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Area 2 (3 courses)**

<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3703 International Trade</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4704 International Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4504 International Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4403 Industrial Organization &amp; Game Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 4302 Environ. &amp; Natural Res. Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4322 Statistical Theory II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Electives** (variable)

Select primarily from upper level courses, with departmental advisor’s approval.

### 6. Exit Requirements
- Students must earn a grade of "C" (2.0) or better in each course applied towards the major as well as a 2.0 overall average.
- Computer Competency met by ECO 4451 or COP 3223.

### 7. Foreign Language Requirements

**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

**Credit by Exam:** and Armed Forces credits permitted

### 9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

120 hrs

### Related Programs

- Applied Mathematics, Statistics
- Computer Science

### Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

### Acceptable Substitutes

For common program prerequisites if taken prior to transferring to UCF:
- COP 3223*: may use any programming language course with a COP prefix.

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeps.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeps.ucf.edu/alc/academic_learning_compacts.htm)

### Freshman

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<th>Program</th>
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<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geo I</td>
<td>4 hrs</td>
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<td>MAS 3105 Matrix and Linear Algebra</td>
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### Sophomore

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<tbody>
<tr>
<td>ECO 213 Principles of Microeconomics</td>
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<tr>
<td>MTH 3312 Logic and Proof in Mathematics</td>
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<tr>
<td>MAC 2311 Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4412 Econometrics</td>
<td>3 hrs</td>
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### Junior

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<tbody>
<tr>
<td>ECO 3703 International Trade</td>
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<td>3 hrs</td>
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<td>3 hrs</td>
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<td>STA 4322 Statistical Theory II</td>
<td>3 hrs</td>
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### Senior

<table>
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<tbody>
<tr>
<td>ECO 4413 Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 4226 Advanced Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Area 1 or 2 Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Elective</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Elective</strong></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Graduation:

- 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](http://www.oeps.ucf.edu/alc/academic_learning_compacts.htm)
# UCF Degree Programs

## MATHEMATICS - PURE TRACK (B.S.)

**College of Sciences**  
**Department of Mathematics, MAP 207, 407-823-6284**  
**http://math.ucf.edu**  
**E-mail: math@mail.ucf.edu**  
**Contact: H. Martin, MAP 215A, 407-823-5700,**  
**E-mail: martin@math.ucf.edu**

The Department of Mathematics offers courses identified by a suffix of H for students in the Honors Program; e.g., MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

### Admission Requirements

**none**

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by the Department of Mathematics at UCF.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program

(36+2 hrs)  
(Note: Certain courses must be selected for this major, bringing GEP hours above 36)

| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations |  
1. Select MAC 2311 | 4 hrs |
2. Select COP 3502C | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations |  
1. Select PHY 2048 & L | 4 hrs |
2. Select a listed course | 3 hrs |

#### 2. Common Program Prerequisites

(15 hrs)

| COP 3223* | Intro to Programming with C | 3 hrs |
| MAC 2311 | Calculus with Analytic Geo I | GEP |
| MAC 2312 | Calculus with Analytic Geo II | 4 hrs |
| MAC 2313 | Calculus with Analytic Geo III | 4 hrs |
| PHY 2048*| Physics for Sci & Eng I w/lab | GEP |
| PHY 2049*| Physics for Sci & Eng II w/lab | 4 hrs |

*See Transfer Notes for possible substitutes

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 3. Core requirements

(48 hrs)

| PHY 2048L | Physics for Sci & Eng I w/lab | GEP |
| PHY 2049L | Physics for Sci & Eng II w/lab | CPP |

One course selected from

| ENC 3241 | Writing for the Tech Professional | 3 hrs |
| ENC 3310 | Magazine Writing | 3 hrs |
| ENC 3311 | Advanced Expository Writing | 3 hrs |
| STA 2023 | Statistical Methods | 3 hrs |
| MIF 3302 | Logic and Proof in Mathematics | 3 hrs |
| MAP 2302 | Differential Equations | 3 hrs |
| MAS 3105 | Matrix & Linear Algebra | 4 hrs |
| MAS 3106 | Linear Algebra | 4 hrs |
| MAP 4363 | Applied Boundary Value Prob I | 3 hrs |
| STA 4321 | Statistical Theory I | 3 hrs |
| MAS 4301 | Abstract Algebra I | 3 hrs |
| STA 4322 | Statistical Theory II | 3 hrs |
| COP 3502C | Computer Science I | GEP |
| MAA 4226 | Advanced Calculus I | 4 hrs |
| MAA 4227 | Advanced Calculus II | 3 hrs |
| MAD 4203 | Applied Combinatorics | 3 hrs |
| MTG 4302 | Introduction to Topology | 3 hrs |
| MAP 4307 | Appl of Complex Variables | 3 hrs |

#### 4. Restricted Electives

(3 hrs)

Biological or physical sciences electives  

| Note: Students must satisfy course prerequisites before enrolling | 3 hrs |

Select from PCB 3044, PCB 3063, PCB 4302C, PCB 4303C, CHM 2210, CHM 2046, PHY 3101, PHY 3323, PHY 4424

5. **Departmental Exit Requirements**

- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-4 above)
- Participate in an exit interview
- Computer Competency met by COP 3502C
- Before applying to graduate, the CLAST must be completely satisfied.

6. **Foreign Language Requirements**

**Admission:** Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

7. **Electives** (variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. **University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

120 hrs

**Related Programs:** Statistics, Applied Math, Computer Science, Engineering, Math Education

**Related Minors:** Computer Science, Engineering, Math, Physics, Statistics

**Transfer Notes:**

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:

- COP 3223*: may use any programming course with a COP prefix.
- PHY 2048* & PHY 2049 w/labs: may use any PHY, CHM or BSC course with a lab designed for science majors; however, PHY 2048 & PHY 2049 with labs are core requirements and still must be taken.

**Program Academic Learning Compacts**

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Suggested Plan of Study:**

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

**Summer**

Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

### Freshman Year

- **Fall**
  - ANT 2000* req# 1D2-GEP 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MAA 4226 Advanced Calculus I 4 hrs
  - MTG 4302 Introduction to Topology 3 hrs
  - MAP 4307 Appl of Complex Variables 3 hrs

- **Spring**
  - ANT 2000* req# 1D2-GEP 3 hrs
  - ENC 1102 Composition II 3 hrs
  - MAA 4227 Advanced Calculus II 3 hrs
  - MIF 3302 Logic and in Math 3 hrs

### Sophomore Year

- **Fall**
  - COM 1000* req# 1D2-GEP 3 hrs
  - PHY 2048 Physics for Eng Sci I 3 hrs
  - STA 2023 Stat Methods I 3 hrs
  - MAS 3105 Matrix and Lin Alg 4 hrs

- **Spring**
  - POS 2041* req# 1D2-GEP 3 hrs
  - PHY 2049 Physics for Eng Sci II 3 hrs
  - PHY 2049L Phy L Eng Sci I 4 hrs
  - PHY 2049L Phy L Eng Sci II 1 hr

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3. Other Program Requirements (14 hrs)

EDF 2130* Child & Adolescent Development for Educators 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
STA 2023 Statistical Methods I 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs

Note: Students should consult advisor regarding course options.

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Education Core Requirements (18 hrs)

EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4503 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs

TSL 4080 Theory and Practice of Teaching ESL 3 hrs
Students in Schools

EEX 4243 Teaching Exceptional Students in Sec Settings 3 hrs
RED 4043 Content Reading Kindergarten thru Grade 12 3 hrs

Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required mathematics courses including MAE 4634 with a letter grade of "C" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten thru Grade 12, and TSL 4080 Theory and Practice of Teaching ESL.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

5. Internship I Block (7 hrs)

MAE 3940 Internship I 3 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs

6. Specialization Requirements (23 hrs)

A grade of "C" (1.75) or better is required.

MAE 3106 Elementary Linear and Matrix Algebra 4 hrs
MAS 3203 Introduction to Number Theory 3 hrs
MFE 3302 Logic and Proof in Mathematics 3 hrs
MFF 4404 History of Mathematics 3 hrs
MTG 4212 Modern Geometry 4 hrs
STA 4163 Statistical Methods II 3 hrs
MAE 4634 Programs in Teaching Mathematics 3 hrs

7. Internship II (12 hrs)

MAE 4941 Internship II 12 hrs

At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of "C" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Passing score on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.

Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

8. Foreign Language Requirements (0-8 hrs)

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

9. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.

Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.


1. UCF General Education Program for Engineering Students

The UCF General Education Program (GEP) is described in the section General Education Program, found elsewhere in the Catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations
1. ENC 1101 & ENC 1102
2. Prefer SPC 1603

B. Cultural and Historical Foundations
1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1000, REL 2300, PHI 2010, Lit 2110, or Lit 2120

C. Mathematical Foundations
1. Select MAC 2311 (PR: MAC 1144)
2. Select STA 3022 (PR: MAC 2312)

D. Social Foundations
1. Prefer ECO 2013 or ECO 2023.

E. Science Foundations
7 hrs
1. Select PHY 2048/48L (PR: MAC 2311)
2. ANT 2511, BSC 1050, Mull 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP's)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2. marked with an asterisk (*).

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

CHS 1440* Fundamentals of Chemistry for Eng (CHM 2045/45L, will substitute)
MAC 2311* Calculus with Analytic Geometry I GEP
MAC 2312* Calculus with Analytic Geometry II GEP
MAC 2313* Calculus with Analytic Geometry III GEP
MAC 2320 Differential Equations
PHY 2048/48L Physics for Engineers & Scientists II GEP
PHY 2049/49L Physics for Engineers & Scientists III GEP

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Courses Required for the Major

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the senior design courses listed in 5. below.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
EGN 3310 Engineering Analysis- Statics 3 hrs
EGN 3321 Engineering Analysis- Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3365 Structure & Properties of Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3032 Probability & Statistics for Engineers GEP
EML 3034C Modeling Methods in MMAE 3 hrs
EML 3303C Mechanical Engineering Measurements 3 hrs
EML 4312C Feedback Control 3 hrs
EML 3500 Machine Design & Analysis 3 hrs
EGN 3301 Solid Mechanics 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs
EML 4220 Vibration Analysis 3 hrs
EML 4535C Introduction to CAD/CAM 3 hrs

4. Career and Academic advisement

The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EML 3990 Mechanical Career/Academic Advisement I 0 hr
EML 4990 Mechanical Career/Academic Advisement II 0 hr
Select one of the following three options for your senior year to complete your BSME.

a. Energy Systems Option
EML 3301 Thermodynamics of Mechanical Sys 3 hrs
EML 4304C Thermo-fluids Measurements 2 hrs
EML 4703 Fluid Mechanics II 3 hrs
EML 4145 Topics in Heat Transfer 2 hrs
EML 4221C Experimental Techniques in Mechanical Sys 2 hrs
Approved Electives 9 hrs

b. General Education Program (GEP)

The UCF General Education Program (GEP) is described in the section General Education Program, found elsewhere in the Catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring
### UCF Degree Programs

#### b. Mechanical Systems Option

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EML 4304C Thermo-fluids Measurements</td>
<td>2</td>
</tr>
<tr>
<td>EML 3262 Kinematics of Mechanisms</td>
<td>3</td>
</tr>
<tr>
<td>EGM 3601L Solid Mechanics Lab</td>
<td>2</td>
</tr>
<tr>
<td>EML 4221C Experimental Techniques in</td>
<td>2</td>
</tr>
<tr>
<td>Mechanical Sys</td>
<td></td>
</tr>
<tr>
<td>Approved Electives</td>
<td>12</td>
</tr>
</tbody>
</table>

#### c. Materials Option

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EMA 3012C Experimental Techniques in</td>
<td>3</td>
</tr>
<tr>
<td>Mechanics &amp; Materials</td>
<td></td>
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<tr>
<td>EMA 4102 Thermodynamics and Kinetics of</td>
<td>3</td>
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<tr>
<td>Materials</td>
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<tr>
<td>EMA 3124 Design and Selection of Materials</td>
<td>3</td>
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<td>EMA 4223 Fundamentals of Mech. Behavior of</td>
<td>3</td>
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<tr>
<td>Materials</td>
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<tr>
<td>Approved Electives</td>
<td>9</td>
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</tbody>
</table>

#### 5. Departmental Graduation Requirements (6 hrs)

These courses are a capstone experience to your engineering program and should be completed in your last two major semesters of study.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EML 4501C Engineering Design I</td>
<td>3</td>
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<tr>
<td>or EGM 4412C Interdisciplinary Design I</td>
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</tr>
<tr>
<td>EML 4502C Engineering Design I</td>
<td>3</td>
</tr>
<tr>
<td>or EGM 4413C Interdisciplinary Design II</td>
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</tbody>
</table>

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

#### 6. Foreign Language Requirements (0-8 hrs)

**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficieny exam) prior to graduation.

**Graduation:** none

#### 7. Approved Restricted and Technical Electives

Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

#### 8. University Minimum Graduation Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

**Total Semester Hours Required:** 128 hrs

**Related Programs:** Aerospace Engineering.

**Related Minors:** Space Studies, Intelligent Robotic Systems, Engineering Leadership.

#### Transfer Notes:

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1007C and EGN 1007Y are required courses for incoming freshmen only. The two credit hours for these courses may be substituted by an approved Mechanical Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

**Program Academic Learning Compacts**

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fee**

- Full-time Student: $90 per term
- Part-time Student: $45 per term

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**Tentative Course Schedule for Entering Freshmen**

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

#### Mechanical Engineering - 128 semester hours required

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall 15 hrs</th>
<th>Spring 15 hrs</th>
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<td>FIRST YEAR</td>
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<td>Fall</td>
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<tr>
<td>EGN 1006C Intro to Eng Prof</td>
<td>1</td>
<td>EGN 1007C Eng Conc &amp; Meth</td>
</tr>
<tr>
<td>*ENC 1101 English Comp I</td>
<td>3</td>
<td>*ENC 1102 English Comp II</td>
</tr>
<tr>
<td>*CHS 1440 Chem Eng</td>
<td>4</td>
<td>*MAC 2312 Calc II</td>
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<tr>
<td>or CHM 2045C wlab</td>
<td></td>
<td>*SPC 1603 Oral Comm for Eng</td>
</tr>
<tr>
<td>*MAC 2311 Calc I</td>
<td>4</td>
<td>*PHY 2048 Phys Eng I wlab</td>
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<td>*ECO 2013 or 2023 Macro or Micro</td>
<td>3</td>
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<tr>
<td>Summer</td>
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**SECOND YEAR**

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<tr>
<td>Fall</td>
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<tr>
<td>STA 3032 Prob &amp; Stats/Engrs</td>
<td>3</td>
<td>EGN 3321 Engr Anal-Statics</td>
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<tr>
<td>*MAP 2302 Diff Equations</td>
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<td>EGN 3343 Thermodynamics</td>
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<td>EGN 3310 Engr Anal-Statics</td>
<td>4</td>
<td>EGN 3601 Solid Mechanics</td>
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<tr>
<td>*PHY 2049 Phys Eng II wlab</td>
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<td>EGN 3373 Prin of Elec Eng</td>
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**THIRD YEAR**

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<th>Semester</th>
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<tr>
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<tr>
<td>EML 3500 Machine Design</td>
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<td>EML 4220 Vibrational Analysis</td>
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<td>EML 3034C Modeling Methods</td>
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<td>EML 4142 Heat Transfer</td>
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<td>EML 3303C Mech Engr Meas</td>
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<td>EML 4535C CAD/CAM</td>
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<td>EML 3990 Career/Acad Advise</td>
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**FOURTH YEAR**

**I. ENERGY SYSTEMS OPTION**

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<th>Semester</th>
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<tbody>
<tr>
<td>Fall</td>
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<td></td>
</tr>
<tr>
<td>EML 3101 Thermo Mech Sys</td>
<td>3</td>
<td>EML 4502C Eng Design II</td>
</tr>
<tr>
<td>EML 4703 Fluid Mechanics II</td>
<td>3</td>
<td>or EGN 4413C Inter Design II</td>
</tr>
<tr>
<td>EML 4501C Eng Design I</td>
<td>3</td>
<td>EML 4304C Meas Therm Sys</td>
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<tr>
<td>or EGN 4412C Inter Design I</td>
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<td>Approved Elective</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>3</td>
<td>Approved Elective</td>
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<td>EML 4221C Exp. Tech in Mech Sys</td>
<td>2</td>
<td>EML 4145 Topics in Heat Transfer</td>
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<td>EML 4991 Career/Acad Advise I</td>
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**II. MECHANICAL SYSTEMS OPTION**

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<tr>
<th>Semester</th>
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<tbody>
<tr>
<td>Fall</td>
<td></td>
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<tr>
<td>EML 3262 Kinem Mechmsns</td>
<td>3</td>
<td>EML 4502C Eng Design II</td>
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<tr>
<td>EML 4501C Eng Design I</td>
<td>3</td>
<td>or EGN 4413C Inter Design II</td>
</tr>
<tr>
<td>or EGN 4412C Inter Design I</td>
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<td>Approved Elective</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>3</td>
<td>or EGN 4413C Inter Design II</td>
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<tr>
<td>EML 4221C Exp. Tech in Mech Sys</td>
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<tr>
<td>EML 4991 Career/Acad Advise I</td>
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<td>EGN 3601L Solid Mechanics Lab</td>
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**III. MATERIALS OPTION**

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<th>Semester</th>
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<tr>
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<tr>
<td>EML 4102 Thermo &amp; Kinetics of Mtlrs</td>
<td>3</td>
<td>EML 4502C Eng Design II</td>
</tr>
<tr>
<td>EML 4501C Eng Design I</td>
<td>3</td>
<td>or EGN 4413C Inter Design II</td>
</tr>
<tr>
<td>or EGN 4412C Inter Design I</td>
<td></td>
<td>Approved Elective</td>
</tr>
<tr>
<td>EML 3124 Design &amp; Select of Mtlrs</td>
<td>3</td>
<td>EML 4223 Fund of Mech Beh Mtrl</td>
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<td>EML 4312C Feedback Control</td>
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<td>EML 4991 Career/Acad Advise II</td>
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</tbody>
</table>

**Notes:**

1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in the Catalog for further information.

2. Students should consult the MMAE Web site ([http://www.mmae.ucf.edu](http://www.mmae.ucf.edu)) or with the MMAE Associate Chairman in ENGR 307 for a list of approved technical electives and for the terms when specific courses of this type are to be offered. Students should check with the MMAE Associate Chairman each semester to ensure they are making satisfactory progress toward their degree.

3. The State University System requires students to complete a minimum of nine semester hours during summer terms prior to graduation. See the section on Summer Attendance Requirement elsewhere in the Catalog.
UCF Degree Programs

Important Notice:
- Certain courses required for this major serve as key prerequisites and are offered in specific terms. Any deviation from the four-year plan should be discussed with an academic advisor. Failure to take the courses as listed may result in a delay in the date of your graduation.
- Caution must be taken to ensure that you take courses in a proper sequence regarding prerequisites.
- If you are not ready to begin the Calculus sequence upon entry to the Mechanical Engineering curriculum it is imperative that you meet with your advisor to plan a personalized program of study. Mathematics and physics are cornerstones of a quality engineering program and it is important for your academic career that you proceed accordingly.

Accelerated BS/MS Degree Program
The Mechanical, Materials, and Aerospace Engineering Department offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of the Catalog for more information.

MEDICAL LABORATORY SCIENCES (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu
Chair: P. E. Kolattukudy
Program Director: Dorlyn Hitchcock, E-mail: hitchcod@mail.ucf.edu

Admission Requirements
Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled. The application for the program can be found at http://www.biomed.ucf.edu.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDE background check and Florida Department of Health Board of Clinical Lab Personnel trainee license are required.

1. UCF General Education Program (36 + 2 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural Historical Foundations 9 hrs
   C. Mathematical Foundations 6 hrs
   - Select MAC 1105
   - Select STA 2023
   D. Social Foundations 6 hrs
   E. Science Foundations
   - Select BSC 2010C 4 hrs
   - Select CHM 2045C 4 hrs

2. Common Program Prerequisites (25 hrs)
   - BSC 2010C General Biology and lab GEP
   - CHM 2045C, 2046 Chemistry Fundamentals I & II w/ labs GEP, 4 hrs
   - STA 2023 Statistical Methods I GEP
   - ZOO 3733C Human Anatomy and Lab* 4 hrs
   - CHM 2210, 2211 Organic Chemistry I & II w/ labs 8 hrs
   - MCB 3020C General Microbiology* 5 hrs
   - PCB 3703C Human Physiology and Lab* 4 hrs

3. Core Requirements (63 hrs)
   - MLS 3220C Clinical Microscopy with lab 3 hrs
   - MLS 4625 Advanced Clinical Chemistry I & lab 3/1 hrs
   - MLS 4630 Advanced Clinical Chemistry II 3 hrs
   - PCB 3233 Immunology with Lab 3/1 hrs
   - MLS 4430C Clinical Parasitology 2 hrs
   - MLS 3305 Hematology with Lab 3/1 hrs
   - MLS 4505C Immunodiagnostics 3 hrs
   - MLS 4910 Intro to Clinical Research 1 hr
   - MLS 4550 Clinical Immunohematology 4 hrs
   - MLS 4460C Clinical Pathogenic Microbiology 5 hrs
   - MLS 4334 Hemostasis 3 hrs
   - MLS 4533 Medical Technology Seminar 2 hrs
   - MLS 3705 Concepts in Education/Management 3 hrs
   - MLS 4830C Interpretive & Practical Clinical Chem 4 hrs
   - MLS 4831C Interpretive & Practical Immunohematology 4 hrs
   - MLS 4832C Interpretive & Practical Hematology 4 hrs
   - MLS 4833C Diagnostic Microbiology 4 hrs
   - CGS 1060C Computer Fundamentals for Business 3 hrs
   - BSC 3403C Quantitative Biological Methods 4 hrs

4. Upper Division Restricted Electives none

5. Departmental Exit Requirements (126 hrs)
   - A minimum 2.5 overall GPA is required for clinical assignment.
   - The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University's didactic component and the clinical component in affiliated hospital laboratories.
   - Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible for a national certification examination and then qualify for State Licensure.
   - Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

6. Electives none

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: none

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA.
   - 60 semester hours earned after CLEP awarded.
   - 48 semester hours of upper division credit completed.
   - 30 of the last 36 hours of course work must be completed in residency at UCF.
   - 25% of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable).

Total Semester Hours Required 126 hrs
Related Programs: Molecular Biology and Microbiology, Biology, Chemistry
Related Minors: Molecular Biology and Microbiology, Biology, Chemistry
UCF Degree Programs

Transfer Notes:
Community College Equivalencies
Human Anatomy and Physiology I & II 8 hrs
(BSC 2033C and 2049C)
General Microbiology/Lab (MCB 201C) 4 hrs

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Program Accreditation
The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS - 8410 Bryn Mawr Avenue Suite 670, Chicago, IL 6063) and is approved as a training program by the state of Florida Board of Clinical Laboratory Personnel.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student .............................................. $39 per term
- Part-time Student .............................................. $39 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 16 hrs Spring 17 hrs
ENC 1101 3 ENC 1102 3
MAC 1105 3 BSC 2010C 4
SPC 1606 3 CHM 2046 3
CHM 2045C 4 CHM 2046L 1
CGS 1060C 3 ANT 2000 or SYG 2000 3
or PSY 2012
STA 2023 3

Sophomore Year
Fall 16 hrs Spring 17 hrs
POS 2041 or ECO 2013 3 CHM 2211 3
CHM 2210 3 CHM 2211L 2
ZOO 3733C 4 MCB 3020C 5
EPU 2000 or HUM 2210 3 PCB 3703C 4
or AMH 2010 3 EPU 2001 or
MUL 2010 or THE 2000 3 HUM 2230 or
or REL 2300 or PHI 2010

Junior Year
Fall 13 hrs Spring 12 hrs
MLS 3220C 3 MLS 3305/L 3/1
MLS 4620L 3/1 MLS 4630 3
PCB 3233/L 3/1 MLS 4460C 5
MLS 4430C 2
Summer 7 hrs
MLS 4334 2
MLS 4550 4

Senior Year
Fall 16 hrs Spring 13 hrs
MLS 4830C 4 MLS 4910 2
MLS 4831C 4 MLS 4950C 3
MLS 4832C 4 MLS 4933 1
MLS 4833C 4 MLS 3705 3
BSC 3403C 4

MODERN LANGUAGE COMBINATION (B.A.)
College of Arts and Humanities
Department of Modern Languages & Literature, CNH 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Admission Requirements
- none

Placement in Language courses
- Placement in language courses is based on one year of high school language being equivalent to one semester of college work. Students must consult an advisor.
- Native speakers or students who have received advanced education abroad must substitute select classes.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.
- 24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.
- At least 33 hours must be taken in Modern Language courses taught in the target language.
- Students must earn at least a “C” (2.0) in each upper division foreign language course.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which credit by Examination in literature courses only.
- Students must see their departmental advisor for counseling and schedule approval before registering.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations 3 hrs
     Select MGF 1002 Finite Mathematics or MGF 1107
     (may substitute a higher level math)
     Prefer CGS 1060C Intro to Computer Sc or
     STA 1060C Statistics Using Excel 3 hrs
   - D. Social Foundations 6 hrs
   - E. Science Foundations 6 hrs

2. Common Program Prerequisites (0-14 hrs)
   - Completion of intermediate level of proficiency.
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core requirements-first language (24 hrs)
   - (French, German or Spanish)
     a. Composition (select one) 3 hrs
       SPN 3420* Spanish Composition
       FRE 3420* French Composition
       GER 3420* German Composition
     b. Oral Communication (select one) 3 hrs
       SPN 3760* Adv Spanish Oral Communication
       FRE 3760* Adv French Oral Communication
       GER 3760* Adv German Oral Communication
     * A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.
   - c. Literature (select one sequence) 6 hrs
     SPW 3100 & 3101 Survey of Spanish Literature
     SPW 3130 & 3131 Survey of Latin American Literature
     FRW 3100 & 3101 Survey of French Literature
     GEW 3100 & 3101 Survey of German Literature
     - d. Linguistics (select one) 3 hrs
       FRE 3780 French Phonetics and Diction
       FOL 3730 Romance Philology
       GER 3790 German Phonetics and Diction
       SPN 4801 Spanish Morphosyntax
       SPN 4800 Spanish American Syntax
       SPN 4780 Spanish Phonetics
     - e. Restricted Electives in the first language (chosen with departmental advisor) 9 hrs

4. Core requirements-second language (15 hrs)
   - (French, German, Spanish, or Italian)
     a. Composition (select one) 3 hrs
       SPN 3420 , FRE 3420, GER 3420, ITA 3420
     b. Advanced Oral Communication (select one) 3 hrs
       SPN 3760, FRE 3760, GER 3760, or ITA 3760
     c. Restricted Electives in the second language (chosen with departmental advisor) 9 hrs
5. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or higher in at least 39 hrs of upper division Modern Language courses
- Students are required to satisfactorily complete a departmental exit exam (primary track)
- Computer Competency met by CGS 1060C or equivalent

6. Foreign Language Requirements (0-16 hrs)
- Admission: Met by Graduation requirements.
- Graduation: Met by degree program requirements (four semesters or proficiency).

7. Electives (variable)
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: French, Spanish

Related Minors: French, German, Italian, Judaic Studies, Latin American Area Studies, Spanish

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at http://www.oaeas.ucf.edu/aic/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

Fall
- BSC 1005* req# 1E2-GEPS 4 hrs
- ENC 1101 Composition I 3 hrs
- AMH 2010* req# 1B1-GEPS 3 hrs
- MGF 1108* req# 1C1-GEPS 3 hrs
- SPN 1112C* req# 2-CPP 4 hrs

Spring
- REL 2360* req# 1B3-GEPS 3 hrs
- SPN2334* req# 2-CPP 3 hrs
- SPN 2200* req# 2-CPP 3 hrs
- FRE 1122C* req# Lang/Elect 4 hrs

Sophomore Year

Fall
- ANT 2000* req# 1D2-GEPS 3 hrs
- PSC 1121* req# 1E1-GEPS 3 hrs
- COM 1000* req# 1A3-GEPS 3 hrs
- SPN 3300* req# 3e-Core1 3 hrs
- Elective* Check restrictions 3 hrs
- Elective* Check restrictions 3 hrs

Spring
- ENC 1101, ENC 1102 6 hrs

Junior Year

Fall
- SPN 3420* req# 3a-Core1 3 hrs
- SPN 3760* req# 3b-Core1 3 hrs
- SPN 3300* req# 3e-Core1 3 hrs
- Elective* Check restrictions 3 hrs
- Elective* Check restrictions 3 hrs

Spring
- SPN 3100* req# 3c-Core1 3 hrs

Senior Year

Fall
- SPW 3100* req# 3e-Core1 3 hrs
- SPN 4410* req# 3e-Core1 3 hrs
- FRE 4421* req# 4c-Core2 3 hrs
- Elective* Check restrictions 3 hrs

Spring
- SPN 4410* req# 3e-Core1 3 hrs
- FPE 4421* req# 4c-Core2 3 hrs
- Elective* Check restrictions 3 hrs

MOLECULAR BIOLOGY AND MICROBIOLOGY (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu
Chair: P. E. Kolattukudy

Admission Requirements None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.

1. UCF General Education Program (38+2 - 3hrs)
(Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.)
- A. Communication Foundations
  - Select ENC 1101, ENC 1102 6 hrs
  - Prefer SPC 1603 Tech Presentations 3 hrs
- B. Cultural Historical Foundations
  - Select STA 2023 or CGS 1060C 3 hrs
- C. Mathematical Foundations
  - Select MAC 2311 or MAC 2233 3-4 hrs
- D. Social Foundations
  - Select STA 2023 or CGS 1060C 3 hrs
- E. Science Foundations
  - Select BSC 2010C 4 hrs
- Select CHM 2045C 4 hrs

2. Common Program Prerequisites (16 hrs)
- BSC 2010C Biology I GEP
- BSC 2211C Biology II GEP
- CHM 2045C**, 2046, General Chemistry I, II, + Lab GEP
- CHM 2210, 2211, Organic Chemistry I, II, + Lab 8 hrs
- MAC 2311 Calculus with Analytical Geometry I GEP
- *See Transfer Notes for possible substitutes

3. Core Requirements (33 hrs)
- MCB 3020C General Microbiology 5 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- PCB 4239, 3233L Molecular Immunology + Immunology Lab 4 hrs
- PCB 3522, 4524 Molecular Biology I, II 6 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- Chemistry
  - BCH 4053 Biochemistry I 3 hrs
  - Physics
    - PHY 2053C, 2054C College Physics I, II 8 hrs
    - or PHY 2048, 2049 Physics for Scientists and Engineers I, II 8 hrs
- Math, Statistics, Computer
  - MAC 2311 or MAC 2233 GEP
  - STA 2023 or CGS 1060C GEP

4. Upper Division Restricted Elective (7 courses minimum)
Seven courses, no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted.
Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.)
- *BCH 4054 Biochemistry II 3 hrs
- BCH 4103 Biochemical Methods 2 hrs
- BOT 4434C General Mycology 4 hrs
- *MCB 3202 Principles of Infectious Diseases 3 hrs
- *MCB 3203, 3203L Pathogenic Microbiology + Lab 4 hrs
- MCB 3404B Bacterial Genetics and Physiology 3 hrs
- MCB 4114C Microbial Systematics and Diagnostics 4 hrs
- *MCB 4203 Infectious Process 3 hrs
- MCB 4204 Cellular Microbiology 3 hrs
- MCB 4276 Epidemiology of Infectious Diseases 3 hrs
- *MCB 4312 Molecular Biotechnology 3 hrs
- *MCB 4503C Virology 3 hrs
- MCB 4603 Environmental Microbiology 3 hrs
Transfer Notes:
Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level must take an additional 8 eight hours of upper division coursework at UCF.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- **BSC 2011C**: may be substituted by BSC 2403C
- **CHM 2045C**: may be substituted by CHM 2040C, 2041C

Honors in the Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete BSC 3404H “Quantitative Biological Methods” with a grade of B or better (4 credits).
- Complete MCB 4970H “Honors Thesis” with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fee
- Full-time Student .................................................. $78 per term
- Part-time Student ..................................................... $39 per term

Tentative Course Schedule for Entering Freshmen

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<tr>
<th>Class</th>
<th>Fall</th>
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<td>MAC 1114</td>
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<tr>
<td>Sophomore</td>
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<td>MCB 2211L</td>
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<td>STA 2023</td>
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<td>or MAC 2253</td>
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Plan your required 9 summer hours into your course of study.

Junior Year

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<tr>
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<td>PCB 3522</td>
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<td>PCB 4524</td>
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<tr>
<td>Restrictive Elective</td>
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<td>PCB 4239 &amp; PCB 3233L</td>
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<td>PHY 2053C</td>
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<td>or PHY 2049*</td>
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<td>or PHY 2049L</td>
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<td>BSC 2011C**</td>
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<td>or PHY 2049L</td>
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<td>ECO 2013</td>
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<td>SPC 1606</td>
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<td>or POS 2041</td>
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<td>(recommend SPC 1603)</td>
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<td><strong>or BSC 3403C</strong></td>
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Senior Year

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<tbody>
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<td>Restricted Elective</td>
</tr>
<tr>
<td>Cultural/Historical</td>
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<td><strong>or BSC 3403C</strong></td>
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</table>

*Students electing to enroll in the PHY2049/2049 sequence must plan to accommodate MAC 2111/2132 as prerequisites.

**or BSC 3403C

8. University Minimum Exit Requirements

- A 2.0 UCF GPA.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required: **120 hrs**

Related Programs: Biology, Biotechnology, Chemistry, Medical Laboratory Sciences

Related Minors: Biology, Chemistry
MOLECULAR BIOLOGY AND MICROBIOLOGY - PREPROFESSIONAL CONCENTRATION (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu

Chair: P. E. Kolattukudy

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA 124.

1. UCF General Education Program (36+ 2-3 hrs)

   (Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.)

   A. Communication Foundations
      Select ENC 1101, ENC 1102
      Prefer SPC 1085 Tech Presentations
      3 hrs
   B. Cultural Historical Foundations
      Select STA 2023 or CGS 1060C
      3 hrs
   C. Mathematical Foundations
      Select ENC 1101, ENC 1102
      6 hrs
   D. Social Foundations
      Select SPC 1085 Tech Presentations
      3 hrs
   E. Science Foundations
      Select CHM 2045C, 2046
      General Chemistry I, II
      4 hrs

2. Common Program Prerequisites (16 hrs)

   Select CHM 2045C**, 2046, General Chemistry I, II, + Lab
   4 hrs
   Select BSC 2010C
   4 hrs
   Select BSC 2011C
   4 hrs

   **Or CHM 2040C, 2041C

3. Core Requirements (35 hrs)

   Life Sciences
   MCB 3020C General Microbiology
   5 hrs
   MCB 4114 Microbial Metabolism
   3 hrs
   PCB 4239, 3233L Molecular Immunology + Immunology Lab
   4 hrs
   PCB 3522, 4524 Molecular Biology I, II
   6 hrs
   BSC 3403C Quantitative Biological Methods
   4 hrs
   SLS 2311C Selected Medical Careers
   2 hrs

   Chemistry
   BCH 4053 Biochemistry I
   3 hrs
   or
   PHY 2053C, 2054C College Physics I, II
   8 hrs
   or
   PHY 2048, 2049 Physics for Scientists and Engineers I, II
   8 hrs

   Math, Statistics, Computer
   MAC 2311 or MAC 2253
   3 hrs
   STA 2023 or CGS 1060C
   3 hrs
   **Or CHM 2040C, 2041C

4. Upper Division Restricted Electives (7 courses minimum)

   (Seven courses, no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be laboratory courses. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.)

   Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:

   - BCH 4054 Biochemistry II
   - MCB 3320 Principles of Infectious Diseases
   - MCB 3303, 3203L Pathogenic Microbiology + Lab
   - MCB 3404 Bacterial Genetics and Physiology
   - MCB 4203 Infectious Process
   - MCB 4276 Epidemiology of Infectious Diseases
   - MCB 4312 Molecular Biotechnology
   - MCB 4503C Virology
   - MCB 4970H Honors Thesis
   - MCB 5225 Molecular Biology of Disease
   - MLS 3305 Hematology
   - MLS 4343 Hemostasis
   - MLS 4430C Clinical Parasitology
   - MLS 4505C Immunodiagnostics
   - PCB 3063 Genetics
   - PCB 3703C Human Physiology
   - PCB 4026 Molecular and Cellular Pharmacology
   - PCB 4235 Cancer Biology
   - PCB 4514 Genetics II
   - PCB 4805 Endocrinology
   - PCB 5238 Immunobiology
   - ZOO 3701C Human Gross Anatomy
   - ZOO 3733C Human Anatomy
   - ZOO 3744 Neurobiology
   - ZOO 4603C Vertebrate Embryology
   - ZOO 4805 Human Clinical Embryology
   - ZOO 4704C Clinical Neuroanatomy & Neuroscience
   - ZOO 4753C Vertebrate Histology
   - ZOO 4747C Clinical Neuroscience

5. Departmental Exit Requirements

   - Student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
   - Independent study, directed research, or similar credit may not be used as a Restricted Elective.
   - Minimum of 20 hours must be taken at UCF in the department of the major.
   - Students are required to pass a comprehensive test during their last semester.

6. Electives (variable)

7. Foreign Language Requirements (0-8 hrs)

   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalency exam) prior to graduation.

   Graduation: none

8. University Minimum Exit Requirements

   - A 2.0 UCF GPA.
   - 48 semester hours of upper division credit completed.
   - 30 of the last 36 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program. In the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required: 120 hrs

Related Programs: Biology, Biotechnology, Chemistry, Medical Laboratory Sciences

Related Minors: Biology, Chemistry

Transfer Notes:

- Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level must take an additional 8 eight hours of upper division coursework at UCF.
MOLECULAR BIOLOGY AND MICROBIOLOGY-
UCF/USF Accelerated Medical School Program

(B.S.)

Note: For detailed information about this program, see the description in the "Accelerated Undergraduate-Graduate Programs" section.

MUSIC (B.A.)

College of Arts and Humanities

Department of Music, CNH 205A

http://www.music.cah.ucf.edu/

Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378,

E-mail: kgay@mail.ucf.edu

Admission Requirements

- Each student must either complete an audition that demonstrates satisfactory proficiency or pass an interview with the Academic Advisor.
- The audition will serve as a placement examination for accepted candidates

Degree Requirements

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department.
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor for course selections.
- Courses designated in 1 (General Education Program) are usually spread over the full four years.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program

(see General Education Program for detailed information)

A. Communication Foundations

Select ENC 1101 and ENC 1102
Prefer SPC 1608

B. Cultural and Historical Foundations

Select one course from 1.B.1 list
Select MUH 3122 History and Literature II
Select one course from 1.B.1 or 1.B.2 list

C. Mathematical Foundations

Prefer MGF 1106 Finite Mathematics or MGF 1107
(may substitute a higher level math)
Select STA 1060C Statistics Using Excel

D. Social Foundations

3 hrs

E. Science Foundations

3 hrs

2. Common Program Prerequisites

(28 hrs)

MUT 1121 Music Theory and Musicianship I
MUT 1122 Music Theory and Musicianship II
MUT 2126 Music Theory and Musicianship III
MUT 2127 Music Theory and Musicianship IV
MUN XXXX Ensembles
MVX XXXX Performance
MVK 1111 Class Piano I
MVK 1112 Class Piano II
MVK 2121 Class Piano III
MVK 2122 Class Piano IV

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements

(9 hrs)

MUL 2104 Introduction to Music Literature
MUS 2360C Introduction to Music Technology
MUS 1010 Music Forum (four semesters)
MUH 3211 Music History & Literature I
MUH 3212 Music History & Literature II

4. Restricted Electives-Music

(15-19 hrs)

Choose one MUT 3XXX or MUT 4XXX course
Choose from any MUX 3XXX or 4XXX

(No more than 6 of these credits can be taken as MUN courses.)

5. Restricted Electives-Non-Music

(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.

Undergraduate Catalog
6. Electives (3-11 hrs)
Select primarily from upper-level courses

7. Departmental Exit Requirements (3 hrs)
- MUS 4900 Capstone/Senior Thesis Project 3 hrs
- Earn a grade of "C" (2.0) or better in each Music course

8. Foreign Language Requirements (0-8 hrs)
Admission: Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Music Education, Music (BM), Theatre, Musical Theatre

Related Minors: Music, Theatre

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student .......................... $90 per term
- Part-time Student .......................... $45 per term

Suggested Plan of Study:
Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year
Fall 14 hrs Spring 17 hrs
ENC 1101 Composition I (GEP A.1) 3 ENC 1102 Composition II (GEP A.2) 3
MUT 1221 Music Theory and Musicianship I 4 MUT 1222 Music Theory and Musicianship II 4
MUN XXXX Ensemble 1 MUN XXXX Ensemble 1
MVX 141X Performance I 2 MVX 141X Performance I 2
MVK 1111 Class Piano I 1 MVK 1112 Class Piano II 1
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0
MUL 2014 Intro to Music History and Literature 3 MUS 200C Intro to Music Technology 3

Sophomore Year
Fall 16 hrs Spring 16 hrs
SPF 1308 Fundamentals of Oral Comm (GEP A.3) 3 GEP B.1 Cultural & Historical Foundation 3
MUT 2125 Music Theory and Musicianship III 4 MUF 2227 Music Theory and Musicianship IV 4
MUN XXXX Ensemble 1 MUN XXXX Ensemble 1
XXX 1120 Foreign Language 4 XXX 1121 Foreign Language 4
MVK 2121 Class Piano III 1 MVK 2122 Class Piano IV 1
MUS 1010 Music Forum 0 MUS 1010 Music Forum 0
STA 100C Basic Statistics MS Excel (GEP C.2) 3 MGF 1106 Finite Mathematics (GEP C.1) 3

Junior Year
Fall 15 hrs Spring 15 hrs
GEP B.2 Cultural & Historical Foundation 3 GEP B.2 Cultural & Historical Foundation 3
MUT 3211 Music History and Literature I 3 MUF 3212 Music History and Literature II 3
MUX 3/4XXX Music Restricted Elective 3 MUT 3/4XXX Music Restricted Elective 3
XXX 3/4XXX Non-Music Restricted Elective 3 XXX 3/4XXX Non-Music Restricted Elective 3

Senior Year
Fall 15 hrs Spring 12 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 XXX 3/4XXX Non-Music Restricted Elective 3
MUT 3/4XXX Music Restricted Elective 3 MUX 4900 Capstone Project 3
GEP E.2. Science Foundation 3 MUX 3/4XXX Music Restricted Elective 3
XXX 3/4XXX Non-Music Restricted Elective 3 XXX 3/4XXX Non-Music Restricted Elective 3

MUSIC EDUCATION (B.M.E.)
College of Arts and Humanities
Department of Music, CNH 205A
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu
Contact: A. Holcomb, 407-823-4180, Fax 407-823-3378, E-mail: aholcomb@mail.ucf.edu

Admission Requirements - Music Education
- Audition. To be accepted into Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- Refer to the UCF Music Department Web site for specific audition requirements.
- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.
- Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements – Professional Program
- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for fall semester admission and September 15 for spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty.
- To apply for the Music Education Professional Program, students must:
  - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, Music Theory and Musicianship II, first semester of Performance II.
  - Have a minimum overall GPA of 2.5 and a grade of "C" (2.0) or better in each performance, education, and music education course.
  - Have on file in the University admissions office passing scores on all 4 parts of the College Level Academic Skills Test (CLAST) or the General Knowledge Test of the Florida Teacher Competency Examination.
  - Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

To be accepted into the Music Education Professional Program students must:
- Complete Class Piano IV, MUT 2127 Music Theory and Musicianship IV, two semesters of Performance II.
- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).

Notes:
(1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
(2) Students who change degree programs and select this major must adopt the most current catalog.
(3) Common program prerequisites are subject to revision based on changes in Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.
## UCF Degree Programs

### Degree Requirements

#### 1. UCF General Education Program (36 hrs)

(see General Education Program for detailed information)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1068</td>
<td>Select one course from B.1 list</td>
<td></td>
</tr>
<tr>
<td>MATH 2030</td>
<td>Select one course from B.2 list</td>
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</tbody>
</table>

#### 2. Common Program Prerequisites (38 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2008</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS XXXX</td>
<td>Major Ensembles (4 semesters)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum (4 semesters)</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 1121</td>
<td>Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUS 1122</td>
<td>Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUS 2126</td>
<td>Music Theory and Musicianship III</td>
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<tr>
<td>MUS 2127</td>
<td>Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUS 2122</td>
<td>Class Piano IV</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 141X</td>
<td>Performance I (2 semesters)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVX 242X</td>
<td>Performance II (2 semesters)</td>
<td>4 hrs</td>
</tr>
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See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 3. Music Core Requirements (0 hrs)

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MUS XXXX</td>
<td>Major Ensembles (4 semesters)</td>
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<tr>
<td>MUS 1010</td>
<td>Music Forum (6 semesters)</td>
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<tr>
<td>MUS 1121</td>
<td>Music Theory and Musicianship I</td>
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<td>Class Piano IV</td>
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<tr>
<td>MVX 141X</td>
<td>Performance I (2 semesters)</td>
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<tr>
<td>MVX 242X</td>
<td>Performance II (2 semesters)</td>
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#### 4. Music Education Prerequisites (22 hrs)

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MUS XXXX</td>
<td>Major Ensembles (2 semesters)</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVX 343X</td>
<td>Performance III (2 semesters)</td>
<td>4 hrs</td>
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<tr>
<td>MUG 3104</td>
<td>Basic Conducting</td>
<td>2 hrs</td>
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<tr>
<td>MUL 2014</td>
<td>Introduction to Music Literature</td>
<td>3 hrs</td>
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<tr>
<td>MUH 3211</td>
<td>Music History &amp; Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUH 3212</td>
<td>Music History &amp; Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESE 3940</td>
<td>Internship I</td>
<td>3 hrs</td>
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<tr>
<td>MUE 4311</td>
<td>Elementary School Music Methods</td>
<td>2 hrs</td>
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<tr>
<td>MUE 3333</td>
<td>Music Learning Theory and Assessment</td>
<td>3 hrs</td>
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#### 5. Education Core (12 hrs)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Mgmt</td>
<td>3 hrs</td>
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<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students</td>
<td>3 hrs</td>
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<tr>
<td>EDF 4603</td>
<td>Critical Analysis of Ethical, Legal and School Safety Issues</td>
<td>3 hrs</td>
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<tr>
<td>RED 4043</td>
<td>Content Reading K:12</td>
<td>3 hrs</td>
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#### 6. Music Education Specialty Area Courses and Professional Program Courses (26 hrs)

<table>
<thead>
<tr>
<th>Professional Program Courses Denoted by *</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Program A - Instrumental</td>
<td>MUE 2346</td>
<td>Vocal Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td>MUG 3302</td>
<td>Instrumental Conduct &amp; Materials*</td>
<td>2 hrs</td>
</tr>
<tr>
<td></td>
<td>MUE 4332</td>
<td>Secondary Instrumental Methods I*</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MUE 4335 or</td>
<td>Secondary Instrumental Methods II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MUE 4441</td>
<td>String Methods*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUE 4394</td>
<td>Seminar in Music Teaching*</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td>ESE 4943</td>
<td>Internship II</td>
<td>11 hrs</td>
</tr>
<tr>
<td>Choose 5:</td>
<td>MUE 2450</td>
<td>Woodwind Techniques I</td>
<td>1 hr</td>
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<tr>
<td></td>
<td>MUE 3451</td>
<td>Woodwind Techniques II</td>
<td>1 hr</td>
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<tr>
<td></td>
<td>MUE 2460</td>
<td>Brass Techniques</td>
<td>1 hr</td>
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<tr>
<td></td>
<td>MUE 3461</td>
<td>Brass Techniques</td>
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<tr>
<td></td>
<td>MUE 2470</td>
<td>Percussion Techniques I</td>
<td>1 hr</td>
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<td></td>
<td>MUE 2471</td>
<td>Percussion Techniques II</td>
<td>1 hr</td>
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<td></td>
<td>MUE 2440</td>
<td>String Techniques</td>
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<tr>
<td>Program B - Choral</td>
<td>MUS 1250</td>
<td>IPA for Singers</td>
<td>1 hr</td>
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<tr>
<td></td>
<td>MUG 3202</td>
<td>Choral Conduct &amp; Materials*</td>
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**Program C - Elementary School**

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<th>Hours</th>
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<tbody>
<tr>
<td>MUE 2440</td>
<td>String Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUG 3202</td>
<td>Choral Conduct &amp; Materials*</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

#### 7. Internship

**Admission to Internship I** will be granted to students who meet the following requirements:

- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test and/or College Level Academic Skills Test (CLAST) (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C” or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester)
- Current enrollment in or completion of Performance III (first semester)
- Completion of Music Education prerequisites and Education Core Requirements
- Completion of 30 semester hours of General Education and Common Program courses
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 4943)

**Admission to Internship II** will be granted to students who meet the following requirements:

- Completion of all admission requirements for Internship I (see above)
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II)
- Completion of all music methods and techniques courses
- Completion of all General Education and Common Program courses

**Internship I:** Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

**Internship II:** Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

8. **Special Non-Course Requirements**

**Note:** Contact the Music Education Advisor for details.

Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third
semester of enrollment at UCF. (See http://www.fl.nesinc.com/ for
test information).

- Electronic Portfolio. Students will develop an electronic port-
folio while enrolled in upper division education courses and
internship. 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 consulta-
tion with the applied faculty.
- Transfer students must take Major Ensemble during each of their
remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in
separate semesters.
- Students enrolled in a Performance course must concurrently
enroll in an appropriate major ensemble if accepted.

Recitals
- Students must complete a faculty-approved public recital (option-
al for students in the Elementary School Music Specialization).
Recitals are normally performed while concurrently enrolled in
the second semester of Performance III.

CMENC Membership
- Active participation in CMENC is expected. Students are
expected to maintain a record of participation at CMENC events.
In addition, students are expected to document attendance at
any event that promotes development as a music educator (e.g.,
music or music education conferences, workshops).

Music Education Forums
- Attendance at all Music Education Forums (except during
Internship I and II) is expected.

Advising
- Consult with the music education advisor for course selection.

Public School Partnerships
- Students are expected to be in K-12 schools each semes-
ter. Prior to internship experiences, students are expected to
observe, assist, and teach in variety of grade levels and settings
(e.g., urban, suburban, general, choral, instrumental). Students
are expected to maintain a record of and reflections on all field
experiences as this will be required for the Music Education
Proficiency Examination.

9. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge,
Professional Education, and Subject Area subtests of the Florida
Teacher Certification Examination. (See for specific test infor-
mation).
- A minimum GPA of 2.5 is required in all courses within the
major.
- A grade of “C” (2.0) or better in each performance and music
education course.
- Computer competency is met through MUE 3693 Technology in
Music Education.
- Departmental Residency Requirement: at least 25 hours must be
taken from the UCF Music Department. In addition, music educa-
tion students must complete their last two semesters of required
performance, recital, and Internship II while attending UCF.

10. Foreign Language Requirements
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the
CLAST and nine hours of Summer credit (if applicable)
- A maximum of 45 hours of extension, correspondence, CLEP,
Credit by Exam, and Armed Forces credits admitted

12. Total Semester Hours Required: 134 hrs

Related Programs: Music, Theatre
Related Minors: Music, Theatre

Transfer Notes:
- Students transferring to UCF must pass an audition and inter-
view in order to be accepted into the music education program
(See Admissions Requirements above).
- Courses taken at community colleges do not substitute for Upper
Division courses.
- Courses transferred from private and out-of-state schools must
be evaluated for equivalency credit. The student must provide all
supporting information.

Note: Education majors are required to take six hours (in addition to EDF 2085) that
have an international or diversity focus. While native UCF students complete this
requirement as part of the GEP, transfer students must take appropriate courses
that have been so designated by their previous institution.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning
outcomes) for undergraduate programs are located at:
http://www.oears.ucf.edu/aal/aademic_learning_compacts.htm

Equipment Fee
- Full-time Student: $90 per term
- Part-time Student: $45 per term

Suggested Plan of Study:
Examples given shows a student majoring in Bachelor of Music
Education in Instrumental, Choral, and Elementary tracks. See pro-
gram description for all requirements. Consult the program advisor
for alternate, new, or more appropriate selections.

Program A – Instrumental Program K–12

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Program Academic Learning Compacts (student learning
outcomes) for undergraduate programs are located at:
http://www.oears.ucf.edu/aal/aacademic_learning_compacts.htm

Program A – Musical Program K–12

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Program A – Musical Program K–12

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## UCF Degree Programs

### Sophomore

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### Take General Knowledge Test

### Junior

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<td>ESE 3940 Internship I</td>
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### Take PET and Music Examination of FTCE

### Sophomore

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### Program A – Elementary Program

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### Program B – Choral Program K–12

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### Program C – Elementary Program

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### Program D – Elementary Program

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## Remaining 3 GEP courses taken as part of 9 required summer hours

## Program B – Choral Program K–12

### Sophomore

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### Take General Knowledge Test

### Senior

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### Take PET and Music Examination of FTCE

### Remaining 3 GEP courses taken as part of 9 required summer hours

## Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to [http://music.ucf.edu/admissions_audition.php](http://music.ucf.edu/admissions_audition.php) to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

## 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:

- Completion of MUS 2360C
- Completion of MUS 2127, Music Theory and Musicianship I
- Completion of Class Piano IV
- Completion of Jazz Theory I & II
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

This review is a pre-requisite for Performance level III.

## Degree Requirements

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to [http://music.ucf.edu/](http://music.ucf.edu/) to see the class piano requirements.
### UCF Degree Programs

- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

#### 1. UCF General Education Program (36 hrs)

(see General Education program for detailed information)

**A. Communication Foundations**
- Select ENC 1101 and ENC 1102
- Prefer SPC 1608

**B. Cultural and Historical Foundations**
- Select one course from 1.B.1 list
- Select MUL 2016 Evolution of Jazz
- Select one course from 1.B.1 or 1.B.2 list

**C. Mathematical Foundations**
- Prefer MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math)
- Prefer STA 1060C Statistics Using Excel

**D. Social Foundations**
- 6 hrs

**E. Science Foundations**
- 6 hrs

#### 2. Common Program Prerequisites (24 hrs)

- MUT 1121 Music Theory and Musicianship I
- MUT 1122 Music Theory and Musicianship II
- MUT 2126 Music Theory and Musicianship III
- MUT 2127 Music Theory and Musicianship IV
- MUN 3713 Jazz Ensemble (four semesters)
- MKV 1111 Class Piano I
- MKV 1112 Class Piano II
- MKV 2121 Class Piano III
- MKV 2122 Class Piano IV
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

#### 3. Core Requirements (33 hrs)

- MUL 2014 Intro to Music History and Literature
- MUS 2360C Intro to Music Technology
- MUS 3010 Music Forum (eight semesters)
- MUL 2016 Evolution of Jazz
- MUT 3170 Jazz Theory I
- MUT 3171 Jazz Theory II
- MUT 3923 Jazz Workshop (four semesters)
- MUS 4320 Music Business & Industry
- MUS 4814 Jazz Styles and Analysis
- MUS 3953 Recital Performance I
- MUS 4954 Recital Performance II
- MUH 3211 Music History & Literature I
- MUH 3212 Music History & Literature II

#### 4. Specialty Requirements (Choose one):

**Trumpet**
- MVB 1411 Trumpet I (two semesters)
- MVB 2421 Trumpet II (two semesters)
- MVB 3431 Trumpet III (two semesters)
- MVB 4441 Trumpet IV (two semesters)

**Trombone**
- MVB 1413 Trombone I (two semesters)
- MVB 2423 Trombone II (two semesters)
- MVB 3433 Trombone III (two semesters)
- MVB 4443 Trombone IV (two semesters)

**Saxophone**
- MVW 1415 Saxophone I (two semesters)
- MVW 2425 Saxophone II (two semesters)
- MVW 3435 Saxophone III (two semesters)
- MVW 4445 Saxophone IV (two semesters)

**Jazz Piano**
- MVJ 1010 Jazz Piano I (two semesters)
- MVJ 2220 Jazz Piano II (two semesters)
- MVJ 3230 Jazz Piano III (two semesters)
- MVJ 4240 Jazz Piano IV (two semesters)
- MVK 1211 Secondary (classical) Piano (two semesters)

**Optional Suggested Electives (5 hrs)**

#### 5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Music course.
- Computer Competency met by MUS 2360C, or departmental examination.

#### 6. Foreign Language Requirements (0-8 hrs)

**Admission:** Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

#### 7. Electives (variable)

Select primarily from upper level courses. May be outside of the department.

#### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

**Total Semester Hours Required**

120 hrs

**Related Programs:** Music Education, Music (BA), Theatre

**Related Minors:** Music, Theatre, Digital Media

**Transfer Notes:**
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fee**

- Full-time Student: $90 per term
- Part-time Student: $45 per term

**Suggested Plan of Study:**

Example given shows a student majoring in Jazz Studies. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.
UCF Degree Programs

Program A: Jazz Trumpet, Trombone, Saxophone

Freshman Year
- Fall: ENC 1101 Composition I
- Spring: MUT 1121 Music Theory and Musicianship I
- MUN 3713 Jazz Ensemble
- MVX 141X Performance I
- MKV 1112 Class Piano I
- MUS 1010 Music Forum
- MUL 2014 Intro to Music History and Literature

Sophomore Year
- Fall: SPR 2000 Fundamentals of Oral Communication
- MUT 2126 Music Theory and Musicianship III
- MUN 3713 Jazz Ensemble
- MVX 242X Performance II
- MKV 2112 Class Piano III
- MUS 1010 Jazz Theory I
- MUS 1010 Music Forum
- MUL 2360C Intro to Music Technology
- GEP E.1. Science Foundation

Junior Year
- Fall: GEP B.2. Cultural & Historical Foundation
- MUL 2016 Evolution of Jazz
- MUT 3923 Jazz Workshop
- MVX 343X Performance III
- MUS 1010 Music Forum
- MUX 34XX Restricted Electives
- MUT 3171 Jazz Theory II
- MUS 1010 Music Forum

Program B: Jazz Piano, Guitar, Bass, Drum Set

Freshman Year
- Fall: ENC 1101 Composition I
- Spring: MUT 1121 Music Theory and Musicianship I
- MUN 3713 Jazz Ensemble
- MVX 12XX Performance I
- MVX 121X Secondary Performance
- MKV 1111 Class Piano I
- MUS 1010 Music Forum
- MUL 2014 Intro to Music History and Literature

Sophomore Year
- Fall: SPR 2000 Fundamentals of Oral Communication
- MUT 2126 Music Theory and Musicianship III
- MUN 3713 Jazz Ensemble
- MVX 242X Performance II
- MVX 2121 Class Piano III
- MUS 1010 Jazz Theory I
- MUS 1010 Music Forum
- MUL 2360C Intro to Music Technology

Junior Year
- Fall: GEP B.2. Cultural & Historical Foundation
- MUL 2016 Evolution of Jazz
- MUT 3923 Jazz Workshop

Senior Year
- Fall: SPR 2000 Fundamentals of Oral Communication
- MUT 3923 Jazz Workshop
- MUH 4814 Jazz Styles and Analysis
- GEP E.2. Science Foundation

MUSIC – MUSIC COMPOSITION TRACK (B.M.)

College of Arts and Humanities
Department of Music, CNH 205
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu

Program Coordinator: J. Batzner, 407-823-2864,
E-mail: jbatzner@mail.ucf.edu; Academic Advisor: Kirk Gay,
407-823-5968; Fax: 407-823-3378, E-mail: kgay@mail.ucf.edu

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.ucf.edu/admissions_audition.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.

Professional Sequence Entrance Review
Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:
- Approval of composition portfolio
- Completion of Composition I and II
- Completion of Performance I and II
- Completion of MUS 2360C
- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of Class Piano I
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

This review is a pre-requisite for Composition level III.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses
- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department
- Composition students must present one faculty-approved public recital
- Students should consult with a department advisor for course selection
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study

1. UCF General Education Program
   (see General Education program for detailed information)
   (18 hrs)
   A. Communication Foundations
      Select ENC 1101 and ENC 1102
   B. Cultural and Historical Foundations
      Select one course from 1.B.1 list
   C. Mathematical Foundations
      Prefer MGF 1106 Finite Mathematics

2. Common Program Prerequisites
   (18 hrs)
   MUT 1121 Music Theory and Musicianship I
   MUT 2126 Music Theory and Musicianship III
   MUT 2127 Music Theory and Musicianship IV
   MUN XXXX Major Ensemble (four semesters)

   (Piano students take MUN 3453, guitar students take MUN 3483)
   MVX 141X Performance I (two semesters)
MVX 242X Performance II (two semesters) 4 hrs
MVK 1111 Class Piano I 1 hr
MVK 1112 Class Piano II 1 hr
MVK 2121 Class Piano III 1 hr
MVK 2122 Class Piano IV 1 hr
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (20 hrs)
MUL 2014 Intro to Music History and Literature 3 hrs
MUS 2360C Intro to Music Technology 3 hrs
MUS 1010 Music Forum (eight semesters) 0 hrs
MUT 4571 20th Century Musical Analysis 3 hrs
MUC 1101C Composition I 2 hrs
MUC 2104C Composition II 2 hrs
MUN XXXX Major Ensembles 2 hrs
(Piano students take MUN 3453, guitar students take MUN 3483)
MUG 3104 Basic Conducting 2 hrs
MUS 3211 Music History & Literature I 3 hrs
MUS 3212 Music History & Literature II GEP

4. Professional Sequence Requirements: (32 hrs)
MUC 3105C Composition II 2 hrs
MUT 4311 Orchestration 3 hrs
MUC 4950 Composition Recital 0 hrs
One course selected from MUC/MUH/MUS/MUT, 3000 level or above 9 hrs
Restricted Electives* 9 hrs

*Restricted Electives
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUX courses numbered 3000 or higher.

5. Special Non-Course Requirements
Major Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band.
Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble directors.
- Students must take Major Ensemble during each semester at UCF.

Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

6. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course
- Computer Competency met by MUS 2360C, or departmental examination

7. Foreign Language Requirements (0-8 hrs)
Admission: Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. Electives (variable)
Select primarily from upper level courses. May be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Music Education, Music (BA), Theatre
Related Minors: Music, Theatre, Digital Media

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ...........................................$30 per term
- Part-time Student .............................................$45 per term

Suggested Plan of Study:
- Example given shows a student majoring in Music Composition. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year
Fall 14 hrs
ENC 1101 Composition I 3
MUT 1121 Music Theory and Music History I 3
MUN XXXX Major Ensemble 1
Spring 17 hrs
ENC 1102 Composition II 3
MUT 1122 Music Theory and Music History II 4
MUN XXXX Major Ensemble 1

Sophomore Year
Fall 15 hrs
MUC 3105C Composition III 3
MUT 4311 Orchestration 3
MUS 1010 Music Forum 0
Spring 16 hrs
MUS 3211 Music History & Literature I 3
MUS 3212 Music History & Literature II 3

Junior Year
Fall 16 hrs
MUC 4950 Composition Recital 0 hrs
MUS 3211 Music History & Literature I 3
Spring 16 hrs
MUC 4950 Composition Recital 0 hrs
MUS 3212 Music History & Literature II 3

Senior Year
Fall 13 hrs
GEP E.2. Science Foundation 3
Spring 13 hrs
GEP E.2. Science Foundation 3

Music – Music Performance Track (B.M.)
College of Arts and Humanities
Department of Music, CNH 205
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu
Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378, E-mail: kgay@mail.ucf.edu

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to
  http://music.ucf.edu/admissions_audition.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
UCF Degree Programs

- The audition will serve as a placement examination for accepted candidates.

**Professional Sequence Entrance Review**
During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
- An evaluation of performance skills
- Completion of Performance I and II
- Completion of MUS 2360C
- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of Class Piano IV
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

This review is a prerequisite for Performance level III.

**Degree Requirements**
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement: At least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

### 1. UCF General Education Program (36 hrs)
(see General Education program for detailed information)

- **A. Communication Foundations**
  
  Select ENC 1101 and ENC 1102
  
  Prefer SPC 1508

- **B. Cultural and Historical Foundations**
  
  Select one course from (1.B.1 list)
  
  Select MUL 3212 History and Literature II
  
  Select one course from (1.B.1 or 1.B.2 list)

- **C. Mathematical Foundations**
  
  Prefer MGF 1106 Finite Mathematics or MGF 1107
  
  (may substitute a higher level math)
  
  Prefer STA 1060C Statistics Using Excel

- **D. Social Foundations**
  
  6 hrs

- **E. Science Foundations**
  
  6 hrs

### 2. Common Program Prerequisites (32 hrs)

- **MUT 1121** Music Theory and Musicianship I
  
  4 hrs

- **MUT 1122** Music Theory and Musicianship II
  
  4 hrs

- **MUT 2125** Music Theory and Musicianship III
  
  4 hrs

- **MUN XXXX** Major Ensemble (four semesters)
  
  4 hrs

- **MVX 141X** Performance I (two semesters)
  
  4 hrs

- **MVX 242X** Performance II (two semesters)
  
  4 hrs

- **MVK 1111** Class Piano I
  
  1 hr

- **MVK 1112** Class Piano II
  
  1 hr

- **MVK 2121** Class Piano III
  
  1 hr

- **MVK 2122** Class Piano IV
  
  1 hr

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

### 3. Core Requirements (27 hrs)

- **MUL 2014** Intro to Music History and Literature
  
  3 hrs

- **MUS 2360C** Intro to Music Technology
  
  3 hrs

- **MUS 1010** Music Forum (eight semesters)
  
  0 hrs

- **MVX 343X** Performance III (two semesters)
  
  6 hrs

- **MVX 444X** Performance IV (two semesters)
  
  8 hrs

- **MUS 3953** Recital Performance I
  
  0 hrs

- **MUS 4954** Recital Performance II
  
  0 hrs

- **MUN XXXX** Major Ensemble
  
  (Piano students take MUN 3453, guitar students take MUN 3483)

- **MUG 3104** Basic Conducting
  
  2 hrs

- **MUG 3211** Music History & Literature I
  
  3 hrs

- **MUG 3212** Music History & Literature II
  
  GEP

### 4. Specialty Requirements (Choose One:) (22 hrs)

- **Piano**
  - **MUL 3400** Piano Literature I
    
    2 hrs

  - **MUL 3401** Piano Literature II
    
    2 hrs

  - **MVK 4640** Piano Pedagogy I
    
    2 hrs

  - **MUN 3453** Piano Ensemble
    
    2 hrs

  - Restricted Electives*
    
    9 hrs

  - Electives
    
    5 hrs

- **Guitar**
  - **MUL 4437** String Literature and Pedagogy
    
    3 hrs

  - **MUN XXXX** Guitar Ensemble
    
    2 hrs

  - Restricted Electives*
    
    12 hrs

  - Electives
    
    5 hrs

- **Voice**
  - **MUS 1250** IPA for Singers
    
    1 hr

  - **MUS 3255** German and English Lyric Diction
    
    2 hrs

  - **MUS 3254** Italian and French Lyric Diction
    
    2 hrs

  - **MVV 4640** Voice Pedagogy I
    
    2 hrs

  - **MUL 3602** Song Literature
    
    3 hrs

  - **MUN XXXX** Major Ensembles
    
    2 hrs

  - **MUN XXXX** Minor Ensembles
    
    2 hrs

  - Foreign Language: FRE 1120C and FRE 1121C, or GER 1120C (or GER 1120H) and GER 1121C, or ITA 1120C and ITA 1121C

- **Woodwinds**
  - **MUN XXXX** Major Ensemble
    
    2 hrs

  - **MUN XXXX** Minor Ensemble
    
    4 hrs

  - **MUL 4443** Brass Literature and Pedagogy
    
    3 hrs

  - Restricted Electives*
    
    8 hrs

  - Electives
    
    5 hrs

- **Bass**
  - **MUL 4443** Bass Literature and Pedagogy
    
    3 hrs

  - Restricted Electives*
    
    8 hrs

  - Electives
    
    5 hrs

- **Percussion**
  - **MUN XXXX** Major Ensemble
    
    2 hrs

  - **MUN XXXX** Minor Ensemble
    
    4 hrs

  - **MUL 3463** Percussion Literature
    
    2 hrs

  - **MUL 3630** Percussion Pedagogy
    
    2 hrs

  - Restricted Electives*
    
    7 hrs

  - Electives
    
    5 hrs

- **Strings**
  - **MUN XXXX** Major Ensemble
    
    2 hrs

  - **MUN XXXX** Minor Ensemble
    
    4 hrs

  - **MUL 4444** String Literature and Pedagogy
    
    3 hrs

  - Restricted Electives*
    
    8 hrs

  - Electives
    
    5 hrs

*Restricted Electives

- Choose one MUT 3XXX or MUT 4XXX course
  
  3 hrs

- Any MUC, MUE, MUG, MUH, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

### 5. Specialty Non-Course Requirements

#### Major Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band.
- Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

#### Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

### 6. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by MUS 2360C, or departmental examination.
### 7. Foreign Language Requirements

**Admission:** Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** None

**8. Electives (variable)**

Select primarily from upper level courses. May be outside of the department.

### 9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Related Programs

- Total Semester Hours Required: 120 hrs

### Transfer Notes:

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency. Full-time student: $90 per term
- Part-time student: $45 per term

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/ala/academic_learning_compacts.htm](http://www.oeas.ucf.edu/ala/academic_learning_compacts.htm)

### Equipment Fee

- Full-time Student: $90 per term
- Part-time Student: $45 per term

### Suggested Plan of Study

Example given shows a student majoring in Performance. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

#### Program A: Strings, Woodwinds, Brass

**Freshman Year**

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#### Program B: Percussion

**Freshman Year**

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<td>STA 100C Basic Statistics MS Excel (GEP C.2)</td>
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#### Program C: Piano

**Freshman Year**

<table>
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<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
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<td>ENC 1101</td>
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<tr>
<td>MUT 1121</td>
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<td>MUN XXXX Major</td>
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<td>MVP 1411</td>
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<td>MUS 1010 Music Forum</td>
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<tr>
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<td>MUS 2360C Intro to Music Technology</td>
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<td>MUS 1010 Music Forum</td>
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<td>MGF 1106 Finite Mathematics (GEP C.1)</td>
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#### Program D: Voice

**Freshman Year**

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<th>Fall</th>
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<tr>
<td>MUL 2014 Intro to Music History and Literature</td>
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<td>MUS 2360C Intro to Music Technology</td>
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<td>MUG 3104 Basic Conducting</td>
<td>2</td>
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<tr>
<td>STA 100C Basic Statistics MS Excel (GEP C.2)</td>
<td>3</td>
<td>Professional Sequence Entrance Review</td>
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</tbody>
</table>
### UCF Degree Programs

#### Junior Year

**Fall** 15 hrs  
- GEP B.2. Cultural & Historical Foundation 3  
- MUG 3104 Basic Conducting 2  
- STA 1060C Basic Statistics MS Excel (GEP C.2.) 3  
- MUS 1010 Music Forum 0  
- MVK 2121 Class Piano III 1  
- MUN XXXX Major Ensemble 1  
- MUS 3254 Italian and French Lyric Diction 2  
- SPC 1608 Fundamentals Oral Comm (GEP A.3.) 3  
- MVP 2421 Voice II 2  
- MUS 3953 Recital Performance I 0  

**Spring** 15 hrs  
- MUH 3211 Music History and Literature 1  
- MUG 3211 Music History and Literature II 1  
- MUH 3409 Piano Literature II 2  
- MVP 3431 Piano III 3  
- MUS 1010 Music Forum 0  
- MUN XXXX Major Ensemble 1  
- MVK 3453 Piano Ensemble 1  
- MUS 3953 Recital Performance I 0  

#### Senior Year

**Fall** 15 hrs  
- GEP D.1. Social Foundation 3  
- MVP 4441 Voice IV 4  
- MUS 1010 Music Forum 0  
- MUS 1010 Music Forum 0  
- MVK 1111 Class Piano I 1  
- MUS 1010 Music Forum 0  
- MVL 1713 Intro to Music History and Literature 3  
- MUS 4954 Recital Performance II 0  

**Spring** 14 hrs  
- ENC 1101 Composition I (GEP A.1.) 3  
- MUS 3487 Guitar Ensemble 1  
- MUS 4146 Guitar I 2  
- MUS 1011 Class Piano II 1  
- MUS 1010 Music Forum 0  
- MUS 1010 Music Forum 0  
- MUS 1711 Intro to Music History and Literature 3  
- MUS 4534 Song Literature and Pedagogy (GEP C.1) 3  

#### Program D: Guitar

**Freshman Year** 14 hrs  
- ENC 1101 Composition I (GEP A.1.) 3  
- MUS 3487 Guitar Ensemble 1  
- MUS 4146 Guitar I 2  
- MUS 1011 Class Piano II 1  
- MUS 1010 Music Forum 0  
- MUS 1010 Music Forum 0  
- MUS 1711 Intro to Music History and Literature 3  
- MUS 4534 Song Literature and Pedagogy (GEP C.1) 3  

**Spring** 17 hrs  
- ENC 1102 Composition II (GEP A.2.) 3  
- MUS 3487 Guitar Ensemble 1  
- MUS 4146 Guitar I 2  
- MUS 1112 Class Piano II 1  
- MUS 1010 Music Forum 0  
- MUS 1010 Music Forum 0  
- MUS 1711 Intro to Music History and Literature 3  
- MUS 3953 Recital Performance I 0  

#### Sophomore Year

**Fall** 16 hrs  
- SPC 1000 Fundamentals Oral Comm (GEP A.3.) 3  
- MUS 3487 Guitar Ensemble 1  
- MVS 2426 Guitar II 2  
- MVK 2121 Class Piano III 1  
- MUS 1010 Music Forum 0  
- MUS 1010 Music Forum 0  
- MUS 1711 Intro to Music History and Literature 3  
- MUS 3953 Recital Performance I 0  

**Spring** 14 hrs  
- GEP B.1. Cultural & Historical Foundation 3  
- MUS 3953 Recital Performance II 0  
- MUN XXXX Major Ensemble 1  
- MVK 3453 Piano Ensemble 1  
- MUS 3953 Recital Performance I 0  

#### Program E: Voice

**Freshman Year** 16 hrs  
- ENC 1101 Composition I (GEP A.1.) 3  
- MUS 3487 Guitar Ensemble 1  
- MUS 1010 Music Forum 0  
- GEP E.2. Science Foundation 3  
- MUS 3487 Guitar Ensemble 1  
- MUS 3953 Recital Performance I 0  
- MUS 3953 Recital Performance I 0  

**Spring** 13 hrs  
- GEP B.2. Social Foundation 3  
- MUS 3953 Recital Performance II 0  
- MUS 3953 Recital Performance I 0  

#### Junior Year

**Fall** 16 hrs  
- MUS 4954 Recital Performance II 0  
- MUS 1010 Music Forum 0  
- MVP 4441 Voice IV 4  
- MUS 1010 Music Forum 0  
- MVP 4441 Voice IV 4  
- MUS 1010 Music Forum 0  
- MUS 1010 Music Forum 0  
- MUS 3953 Recital Performance I 0  

**Spring** 17 hrs  
- MUS 4954 Recital Performance II 0  
- MUS 1010 Music Forum 0  
- MVP 4441 Voice IV 4  
- MUS 1010 Music Forum 0  
- MVP 4441 Voice IV 4  
- MUS 1010 Music Forum 0  
- MUS 1010 Music Forum 0  
- MUS 3953 Recital Performance I 0  

### NURSING (B.S.N.)

#### A. BASIC PROGRAM

(For individuals who are not Registered Nurses)  

**College of Nursing**  

HPA 220, 407-823-2744  

[http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)  

**E-mail: ucnurse@mail.ucf.edu**  

**Dean:** Jean Leuner; **Associate Dean Undergraduate:** Linda Hennig; **Undergraduate Coordinator:** Patricia Leli

**Admission Requirements**

**Limited Access**

Acceptance to the university does not constitute admission to the upper division nursing program.

- Separate application to the limited-access program must be made directly to the College of Nursing by the posted deadline.  
  

- Application for admission to the University must also be submitted by the program deadline.

- All applicants must have a minimum overall GPA of 3.0.

- At least seven (7) of the nine (9) required prerequisites (Chemistry with Lab, and at least 2 additional courses from Group A and the remainder from Group B) must be completed by the application deadline.

- *Chemistry with Lab (required with grade of B- or better)*

  - Group A: [grade of B- (2.75) or better]
  - *Microbiology with Lab*
  - *Anatomy with Lab*
  - *Physiology with Lab (or A&P I, II)*

- Group B [grade of C (2.0) or better]
  - *Sociology*
  - *Psychology*
  - *Developmental psychology*
  - *Nutrition*
  - *Statistics*

- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu).

- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students that transfer with an AA degree and will be pursuing a BS degree must meet the university foreign language admission requirements for graduation.

- All applicants must complete a mandatory information session, online or in person, prior to submitting the application.

**General Information:**

The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with an advisor.
**UCF Degree Programs**

**1. UCF General Education Program**

36+1 hrs

- A. Communication Foundations (SPC 1608 preferred) 9 hrs
- B. Cultural Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
- MAC 1105 6 hrs
- Select STA 2014C or STA 2023 6 hrs

2. Common Program Prerequisites

21 hrs

- PSY 2012 General Psychology** GEP
- SYG 2000 Sociology** 3 hrs
- MCB 2004C Health Microbiology (S*) w/lab 4 hrs
- CHM 1032/L General Chemistry and lab (S**) GEP
- ZOO 3733C Human Anatomy* (S**) w/lab 4 hrs
- PCB 3703C Human Physiology* (S**) w/lab 4 hrs
- STA 2014C Principles of Statistics** GEP
- or 2023 3 hrs
- SOW 3104 Assessing Human Development or DEP 2004 Developmental Psychology 3 hrs
- HUN 3011 Human Nutrition 3 hrs

3. Core Requirements

65 hrs

- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assess Lab 2 hrs
- NUR 3825 Role of Professional Nurse 2 hrs
- NUR 5328 Essentials of Nursing Practice 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- CHM 1032/L General Chemistry and lab (S**) GEP
- NUR 3028L Essentials of Nursing Practice Lab 1 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 3634L Community Health Nursing Clinical 2 hrs
- NUR 3125 Pathophysiology for Nurses 3 hrs
- NUR 3145 Pharmacology for Nurses 3 hrs
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I Clinical 2 hrs
- NUR 3445 Nursing Care of Families 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR XXXX Nursing Elective 3 hrs
- NUR 4537 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II Clinical 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Nursing Clinical 2 hrs
- NUR 4828 Leadership, Management and Role Transition 3 hrs
- NUR 4257 Introduction to Critical Care Nursing 3 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4637L Public Health Nursing Clinical 1 hr
- NUR 4945L Nursing Practicum 4 hrs

**4. Upper Division Restricted Electives**

12 hrs

5. Departmental Continuation and Exit Requirements

- Completion of all courses in major with a grade of “C” (2.0) or better
- UCF GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

6. Electives

none

7. Foreign Language Requirements

0-8 hrs

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper-division credit completed
- 25% of course work must be completed in residency at UCF
- Minimum cumulative UCF 3.2 GPA
- Completion of a three credit directed readings course
- Minimum cumulative UCF 3.2 GPA
- Completion of 60 semester hours of college credit, including 12 graded upper-division hours at UCF

Total Semester Hours Required

72 hrs

**Related Programs:**

- Health Services Administration, Social Work, all health programs
- Aging Studies Certificate, Psychology, Health Sciences, Health Services Administration

**Transfer Notes:**

- Examples of Community College Equivalent Courses - Prerequisites
- General Psychology (PSY X012) or any General Psychology course
- General Sociology (SYG 2000) or any Intro to Sociology course
- General Psychology (PSY X012) or any General Psychology course
- General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab)*
- Human Anatomy and Physiology I & II (BSC 2093/2094) or (BSC X085/X086)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab 4 hrs
- or any Microbiology course w/lab 4 hrs
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course 3 hrs
- Human Nutrition with therapeutic nutrition focus 3 hrs

**Honors:**

- Honors Option Requires:
- Completion of a three credit directed readings course
- Completion of a three credit thesis course
- Open to students with a minimum 3.5 GPA in Nursing
- Minimum cumulative UCF 3.2 GPA
- Completion of 60 semester hours of college credit, including 12 graded upper-division hours at UCF

Students that transfer with an AA degree and will be pursuing a BS degree must meet the university foreign language admission requirements for graduation.
UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................ $50 per term
- Part-time Student .......................................... $25 per term

Freshman Year
Fall 16 hrs
SYG 2000 3
ENC 1101 3
MAC 1106 3
BSC 2010C 4
PSY 2012 3

Spring 14 hrs
CHM 1032/L 3
ZOO 3733C 4

Sophomore Year
Fall 16 hrs
POS 2041 or ECO 2023 3
EUH 2230 or AMH 2210 3
HUM 2210 or AMH 2010 or WOH 2012 3
PCB 3703C or (One Course) 4
SOW 3104 or DEP 2004 3
HUN 3011 3

Spring 13 hrs
EUH 2001 or AMH 2020 or WOH 2022 3
MCB 2004C 4
*SPC 1608 3

Junior Year
Fall 15 hrs
NUR 3825 2
NUR 3065 2
NUR 3065L 1
NUR 3028 2
NUR 3755L 2
NUR 3028L 1
NUR 3634 2
NUR 3634L 2

Spring 16 hrs
NUR 3165 3
NUR XXX Elective (If not already taken) 3
NUR 4837 3

Summer C/D 6-9 hrs
NUR 3165 3
NUR XXX (elective) and/or 3
NUR 4837 3

Senior Year
Fall 12-15 hrs
NUR 4227 4
NUR 4227L 3
NUR 4535 3
NUR 4535L 2
NUR 4837 or 3
NUR XXX Elective (If not already taken) 3

Spring 13-16 hrs
NUR 4228 4
NUR 4228L 3
NUR 4535L 2
NUR 4257 2
NUR 4837 or 3
NUR XXX Elective 3

NURSING (B.S.N.)
B. RN TO BSN PROGRAM
(Completion program for individuals who are licensed RNs)

College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; RN to BSN Coordinator: Barbara Lange

This program is available online. Students must complete all university-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.). Courses are available online and some courses may be offered face-to-face as well. For more information, see http://distb.nursing.ucf.edu/home.

Admission Requirements
Limited Access
Acceptance to the university does not constitute admission to the upper-division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
- Admission to UCF undergraduate program.
- Graduation from an approved or accredited associate degree or diploma nursing program.
- Current Licensure as an RN (or eligible).
- Progress toward the UCF general education requirements, an AA degree from a Florida community college, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS).
- Completion of all sections of CLAST (or Exempt).
- A minimum overall undergraduate GPA of 2.5.
- Completion of program prerequisite courses with at least a grade of "C" (2.0) or better in each course.

Degree Requirements
- Students must adopt the most current catalog.
- Students should contact a college advisor or community college AA transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other university.
- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program
   (36+1 hrs)
   A. Communication Foundations
   B. Cultural Historical Foundations
   C. Mathematical Foundations
   D. Social Foundations
   E. Science Foundations
   **Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites
   (21 hrs)
   A. Psychology
   B. Psychology
   C. General Chemistry
   D. General Chemistry
   E. General Chemistry
   **General Chemistry is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

3. Core Requirements
   (24 hrs)
   A. Dimensions of Professional Nursing Practice
   B. Health Assessment
   C. Nursing Research
   D. Community Health Nursing
   E. Leadership and Management
   F. Health Care Issues, Policy, & Econ
   G. Public Health Nursing
   H. Practicum in Community and Public Health
   **Nursing for RNs

Upper Division Credit
   (27 hrs)
   A. Essentials of Professional Nursing Practice
   B. Essentials of Professional Nursing Practice
   C. Nursing Care of the Adult I
   D. Nursing Care of the Adult I
   E. Nursing Care of Families
   F. Nursing Care of Families
   G. Nursing Care of the Adult II
   H. Psychiatric Mental Health Nursing
   I. Psychiatric Mental Health Nursing

*May be met by Validation
4. Upper Division Restricted Elective (6 hrs)
   NUR XXXX  Any two upper division nursing electives 6 hrs
5. Departmental Exit Requirements
   Completion of all courses in major with a grade of “C” (2.0) or better
   ▪ Overall cumulative GPA of 2.5 or above
   ▪ College of Nursing GPA of 2.5 or above
6. Electives variable to meet degree requirements
7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: none
8. University Minimum Exit Requirements
   ▪ A 2.0 UCF GPA
   ▪ 60 semester hours earned after CLEP awarded
   ▪ 48 semester hours of upper division credit completed
   ▪ 30 of the last 36 hours of course work must be completed in residency at UCF
   ▪ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   ▪ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)
Total Semester Hours Required 120 hrs
Related Programs: Health Services Administration, Social Work, All health programs
Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology
Program Academic Learning Compacts
   ▪ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.aces.ucf.edu/acl/academic_learning_compacts.htm
Equipment Fee
   ▪ Full-time Student ................. $50 per term
   ▪ Part-time Student .................. $25 per term
Sample Plan of Study (assuming general education, foreign language, and nursing pre-requisites are complete)
   Semester I  Semester II
   NUR3805 3  NUR 3165 3
   NUR 3065 2  NUR 3634 Community Health 3
   NUR 3065L 1
   Semester III
   NUR 4837 3
   NUR XXXX (Nursing Elective 1) 3
   Semester IV  Semester V
   NUR 4828 Leadership 3  NUR 4637 Public Health 2
   NUR 4XXX (Nursing Elective 2) 3  NUR 4604L Practicum 4
   *Elective may be taken at any point.
Progression requirements:
   Prior to NUR 3805: RN status or eligible to take NCLEX.
   Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
   Prior to NUR 3634 Community Health Nursing
   ▪ Admission to the nursing program
   ▪ Complete general education requirements and prerequisites or AA from a Florida public community college or state university system (SUS)
   ▪ Complete CLAST (or exempt)
   ▪ Complete foreign language admission requirement
Other
   Selected courses may be offered at regional campuses of Daytona, Cocoa, Leesburg, and Ocala.
   The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.
UCF Degree Programs

- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (36+1 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural Historical Foundations 9 hrs
   C. Mathematical Foundations 6 hrs
   1. MAC 1105 (preferred)
   2. Select STA 2014C or STA 2023 6 hrs
   D. Social Foundations 6 hrs
   Select SYG 2000 or PSY 2012*
   *One of these courses is required to meet General Education requirements, but both are required program prerequisites.
   E. Science Foundations: 7 hrs
   1. UCF General Education Program 36+1 hrs

2. Common Program Prerequisites (21 hrs)
   PSY 2012 General Psychology** GEP
   SYG 2000 Sociology** 3 hrs
   MCB 2004C Health Microbiology 4 hrs
   CHM 1032/L General Chemistry** GEP
   ZOO 3733C Human Anatomy** 4 hrs
   PCB 3703C Human Physiology 4 hrs
   STA 2014C or STA 2023 Principles of Statistics** GEP
   SOW 2104 Assessing Human Development or 3 hrs
   or DEP 2004 Developmental Psychology
   HUN 3011 Human Nutrition 3 hrs

   *May take Anatomy and Physiology sequence of six-eight total credits.
   **Also meets General Education Requirements;

Applicants should see a UCF Nursing Advisor for possible course substitutions.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core UCF Requirements (25 hrs)
   NUR 3806 Professional Socialization in Nursing 1 hr
   NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   NUR 3065 Health Assessment 2 hrs
   NUR 3065L Health Assessment Lab 1 hr
   NUR 3165 Nursing Research 3 hrs
   NUR 3634 Community Health Nursing 3 hrs
   NUR 4828 Leadership, Management and Role Transition 3 hrs
   NUR 4837 Health Care Issues, Policy, & Economics 3 hrs
   NUR 4637 Public Health Nursing 2 hrs
   NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs

   Upper Division Credit* (27 hrs)
   NUR 3028 Essentials of Nursing Practice 2 hrs
   NUR 3028L Essentials of Nursing Practice Lab 1 hr
   NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
   NUR 3225 Nursing Care of the Adult I 3 hrs
   NUR 3225L Nursing Care of the Adult I Clinical 2 hrs
   NUR 3445 Nursing Care of Families 3 hrs
   NUR 3445L Nursing Care of Families Clinical 2 hrs
   NUR 4227L Nursing Care of the Adult II Clinical 3 hrs
   NUR 4535 Psychiatric Mental Health Nursing 3 hrs
   NUR 4535L Psychiatric Mental Health Nursing Clinical 2 hrs

*May be met by validation

4. Upper Division Restricted Elective (6 hrs)
   NUR XXXX Any two upper division nursing electives 6 hrs

5. Departmental Exit Requirements
   Completion of all courses in major with a grade of “C” (2.0) or better
   - Overall Cumulative GPA of 2.5 or above
   - College of Nursing GPA of 2.5 or above

6. Electives (variable to meet degree requirements)

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or
   one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: none

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Health Services Administration, Social Work, All health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ............................... $50 per term
- Part-time Student ............................... $25 per term

Sample Plan of Study (Junior Year UCF)

While Enrolled in SCC Associate of Science in Nursing Program

Semester I
NUR 3806 1
NUR 3065 2
NUR 3065L 1

Semester II
NUR 3805 3
NUR 3165 3
NUR 3634 3

Semester III
NUR 4828 Leadership 3
NUR 4604L Practicum 4

Semester IV
NUR 4837 3

Semester V
NUR XXXX (Nursing Elective 1) 3

Semester VI
NUR XXXX (Nursing Elective 2) 3
4637 Public Health Nursing 2

Semester VII
NUR 4828 Leadership 3
NUR 4604L Practicum 4

ORGANIZATIONAL COMMUNICATION (B.A.)

See Interpersonal/Organizational Communication

PHILOSOY (B.A.)
College of Arts and Humanities
Philosophy Department, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu

Contact: Don Jones or Jennifer Mundale, 407-823-2273;
Fax: 407-823-6658

Admission Requirements: none

Degree Requirements:
- Students who change degree programs and select this major
  must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without
  prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses
  taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2
  (Common Program Prerequisites) are usually completed in the
  first 60 hours

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs

[232] UNIVERSITY OF CENTRAL FLORIDA 2009-2010 Undergraduate Catalog
### B. Cultural and Historical Foundations
- Select HUM 2210 Humanistic Traditions I 3 hrs
- Select HUM 2230 Humanistic Traditions II 3 hrs
- Select PHI 2101 Intro to Philosophy 3 hrs

### C. Mathematical Foundations
- Prefer MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math) 3 hrs
- Prefer STA 1060C Statistics Using Excel 3 hrs

### D. Social Foundations
- 6 hrs

### E. Science Foundations
- 6 hrs

### 2. Common Program Prerequisites
- None

### 3. Core requirements*
- (36 hrs)

#### A. Core
- HUM 2210 Humanistic Traditions I GEP
- HUM 2230 Humanistic Traditions II GEP
- PHI 2101 Intro to Philosophy GEP
- PHI 3083 Research Methods (3 hrs)
- PHI 4938 Senior Research Seminar (3 hrs)

#### B. Reasoning
- (6 hrs)
- Take any two of the following courses:
  - PHI 2011 Philosophical Reasoning
  - PHI 2010 Critical Thinking
  - PHI 2108 Formal Logic I
  - PHI 2647 Logic and Ethics
  - PHI 3131 Formal Logic II

#### C. History of Philosophy
- (9 hrs)
- Take two of the following courses:
  - PHH 3100 Ancient Philosophy
  - PHH 3200 Medieval Philosophy
  - PHH 3460 Modern Western Philosophy
- Take one of the following courses:
  - PHH 3000 Contemporary Philosophy
  - PHH 3510 Marx and Nietzsche
  - PHH 3700 American Philosophy
  - PHI 3700 African Philosophy

#### D. Values and Society
- (6 hrs)
- Take any two of the following courses:
  - PHI 3670 Ethical Theory
  - PHI 3626 Advanced Ethics in Science and Technology
  - PPHM 3401 Philosophy of Law
  - PHI 3800 Aesthetics
  - PPHM 3123 Feminist Theories
  - PHI 3638 Ethical Issues in the 21st Century
  - PHI 3625 Virtual Ethics
  - PHI 4633 Ethics and Biological Science
  - PHM 3100 Freedom and Justice
  - PHM 3640 Environmental Ethics
  - PHM 4031 Environmental Philosophy
  - PHI 3701 Native American Philosophy
  - PHI 3805 Contemporary Aesthetics

#### E. Being and Knowing
- (6 hrs)
- Take any two of the following courses:
  - PHI 4500 Metaphysics
  - PHI 4341 Ways of Knowing
  - PHI 4300 Theories of Knowledge
  - PHI 3700 Philosophy of Religion
  - PHI 4400 Philosophy of Science
  - PHI 3320 Philosophy of Mind
  - PHI 3451 Philosophy of Psychology
  - PHI 4420 Philosophy of Social Science
  - PHI 3323 Minds and Machines
  - PHP 4762 Phenomenology
  - PHI 4221 Philosophy of Language

### F. Topics in Philosophy
- (3 hrs)
- Take one of the following courses:
  - PHI 4931 Philosophy in the News
  - PHI 3683 Philosophy of Friendship
  - PHI 4321 Philosophies of Embodiment
  - PHI 3648 Ethical Issues of the Human Genome Project
  - PHI 3022 Sexuality, Gender and Philosophy
  - PHI 3033 Philosophy, Religion and the Environment
  - PHI 4804 Critical Theory
  - PHP 3763 Modernity as a Philosophical Problem
  - PHI 3750 Problem of Evil
  - PHI 3720 Faith and Reason
  - PHI 3803 Philosophy and Creativity
  - PHI 3941 Philosophy Practicum
  - REL 3111 Religion and Philosophy through Film
  - PHP 3786 Existentialism

### 4. Upper Division Restricted Electives
- (6 hrs)
- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

### 5. Departmental Exit Requirements
- (3 hrs)
- Either PHI 4970H: Honors Thesis (3 hrs) or PHI 4938 Senior Research Seminar.
- Earn a "C" (2.0) or better in each required course.
- Computer Competency met by PHI 4970H, PHI 4938, or by STA 1060C.
- Departmental Exit Exam in final semester.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

### 6. Foreign Language Requirements
- (0-8 hrs)
- Admission: Met by graduation requirement.
- Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

### 7. Electives
- (variable - to reach 120)
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

### 8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- (120 hrs)

### Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Honors in the Major:
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:
  - Core requirements: (36 hrs)
    - Same requirements as for regular majors, but must include PHI 2101 Formal Logic I
  - Upper Division Restricted Electives: (6 hrs)
    - Same requirements as for regular majors.
- Honors Thesis
  - PHI 4903H Honors Directed Reading 3 hrs
  - PHI 4970H Honors Thesis 3 hrs

### Additional Requirements:
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College
- Fulfill University requirements for Honors in the Major
- Earn a "B" (3.0) or better in both PHI 4903H and PHI 4970H
- Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5
- Successful completion and oral defense of Honors Thesis
PC Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oceans.ucf.edu/alc/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. (i.e. "req#1 C1-GEP" indicates a requirement from section 1 "UCF General Education Program," section C Mathematical Foundation #). Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
ENC 1101 Composition I 3
HUM 2210 Hum Tradition I 3
MGF 1106 req# 1C1-GEP 3
PHI 2105 Intro to Phil 3
SPN 1120C req# Lang/Elect 4

Spring
ENC 1102 Composition II 3
HUM 2230 Hum Tradition II 3
STA 1060C req# 1C2-GEP 3
PHI 2101 req# 3b-Found+Reasoning 3
SPN 1121C req# Lang/Elect 4

Sophomore Year
Fall
BSC 1005 req# 1E2-GEP 3
PSY 2012 req# 1D2-GEP 3
SPC 1006 req# 1A3-GEP 3
PHI 2108 Reasoning 3
PHI 3100 req# 3c-History 3

Spring
CHM 1020 req# 1E1-GEP 3
POS 2041 req# 1D1-GEP 3
HUM 3401 req# 3d Values 3
PHI 4221 req# 3 Topics 3
Elective* Check restrictions 3

Junior Year
Fall
PH 3083 Res Meth in Phil 3
PHH 3460 req# 3c-DiscHistory 3

Spring
PH 3606 req# 3c-History 3
Elective* Check restrictions 3

Senior Year
Fall
PH 3786 req# 4-ResEle 3
PH 4804 req# 4-ResEle 3
Elective* or PHI 4903 3
Elective* Check restrictions 3

Spring
PH 4038 Seminar 3
Elective* or PHI 4970 3
Elective* Check restrictions 3

PHOTOGRAPHY (B.S.)
College of Arts and Humanities
Advisor: Jason Burrell (UCF-Daytona), 386-506-3944
The Photography B.S. program is a joint program between the University of Central Florida and Daytona State College.

This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-B.F.A. programs.

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students must earn at least a "C" in each required upper level course and maintain an overall GPA of at least 2.0

1. UCF General Education Program (36 hrs)
Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF.

The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

A. Communication Foundations
ENC 1101 Composition I AS
ENC 1102 Composition II 3 hrs
SPC 2600* Speech AS

B. Cultural and Historical Foundations 6 hrs
ARH 2051 History and Criticism of Art II AS

C. Mathematical Foundations
MAC 1116 College Algebra or
MGG 2106 College Mathematics or
MGG 2107 Mathematics for Liberal Arts AS

D. Social Foundations
Computer Science or Statistics 3 hrs

E. Scientific Foundation
Physical Science 3 hrs
Life Science 3 hrs

2. Common Program Prerequisites (0 hrs)
(Included in A.S. or B.S. requirements.)
Subject to change. Prerequisites have not been set by the state.

ARH 2051 History and Criticism of Art II AS

PGY 1403 Fundamentals of Photography AS

PGY 3610C Photocomposition I BS

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. AS Required Courses: (49 hrs)
(Completed in the A.S. degree program in Photographic Technology or equivalent coursework)

PGY 1115 Color Materials and Processes 7 hrs
PGY 1403 Fundamentals of Photography 4 hrs
PGY 1800 Photography and the Digital Image 4 hrs
PGY 1801 Digital Imaging 4 hrs
PGY 2009 History and Aesthetics of Photography 3 hrs
PGY 2107 Large Format Photography 4 hrs
PGY 2215 Professional Studio Portraiture 4 hrs
PGY 2216 Location Photography 4 hrs
PGY 2300 Field Survey of Professional Workshop 3 hrs
PGY 2470 Advanced Photography Workshop 4 hrs
PGY 2935 Portfolio Workshop 4 hrs
PGY 2665 Editorial Photography 4 hrs

4. Upper Division Required Courses (39 hrs)

PGY 3002 Contemporary Photography 3 hrs
PGY 3711 History of Photography II 3 hrs
PGY 4003 Image, Culture, and Society 3 hrs
CRW 3011 Creative Writing for Non-Majors 3 hrs

or
ENC 3250 Professional Writing 3 hrs
PGY 3821C Digital Imagery for Photography 3 hrs
PGY 3851C Narrative Editorial Photography 3 hrs
PGY 3853C Advanced Explorations in Editorial Photography 3 hrs
PGY 4472C Photography WorkshopProject 3 hrs
PGY 4478C Advanced Illustrative Photography 3 hrs
PGY 4471 Photography Thesis 3 hrs
PGY 3324 The Professional Environment 3 hrs
PGY 3325C Photographic Lighting Techniques 3 hrs
PGY 3480 Photographic Exhibition and Display 3 hrs

5. Upper Division Restricted Electives (3 hrs)
Select one of the following courses:

PGY 3451C Alternative Processes 3 hrs
PGY 3809C Photography and Web Design 3 hrs
PGY 3751C Videography 3 hrs
PGY 4493C Photography and Art 3 hrs

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 42 semester hours of upper division credit completed.
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required 127 hrs

http://www.oceans.ucf.edu/alc/academic_learning_compacts.htm
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
Community College Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with the general education program (GEP) requirements of that institution may have thereby satisfied UCF GEP requirements.
- Courses taken at community colleges do not substitute for Upper Division courses.

Acceptable substitutes for General Education and Common Program Prerequisites
- ARH1000* May substitute ARH 2500 or ARH 2050
- GRA 1741* May substitute GRA 2111C
- GRA 1800* May substitute GRA 2140C

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/aic/academic_learning_compacts.htm

PHYSICS (B.S.)
College of Sciences
Physics Department, MAP 310, 407-823-2325
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Chair: Talat S. Rahman, 407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.

Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.

Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.

AA transfer students are expected to have completed the following courses before enrolling as a Physics major; CHM 2045C, CHM 2046&L, MAC 2311, MAC 2312, MAC 2313, PHY 2048 &L, and PHY 2049&L. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

Physics majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two-semester sequence has already been taken at the community college.

Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36+2 hrs)
(Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.)

A. Communication Foundations
1. Select ENC 1101 and ENC 1102
2. Prefer SPC 1603

B. Cultural and Historical Foundations
9 hrs

C. Mathematical Foundations
1. Select MAC 2311
2. Prefer COP 3223

D. Social Foundations
6 hrs

E. Science Foundations
1. Select PHY 2048 & L (PR:MAC 2311)
2. Select a listed course

2. Common Program Prerequisites (20 hrs)

CHM 2045C* Chem Fund I
CHM 2046&L Chem Fund II & lab
MAC 2311 Calculus with Analy Geo I

MAC 2312 Calculus with Analy Geo II 4 hrs
MAC 2313 Calculus with Analy Geo III 4 hrs
PHY 2048&L Physics Engr & Sci I & Lab
PHY 2049&L Physics Engr & Sci II & Lab

*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

*See Transfer Notes for other possible substitutes

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements (all tracks) (36 hrs)

MAP 2302 Differential Equations 3 hrs
PHY 3101 Physics Engr & Sci III 3 hrs
PHY 3113 Intro to Theoretical Meth of Phys 3 hrs
PHY 3220 Mechanics I 3 hrs
PHY 3513 Thermal and Statistical Physics 3 hrs
PHY 3523 Electricity and Magnetism I 3 hrs
PHY 4324 Electricity and Magnetism II 3 hrs
PHY 4604 Wave Mechanics I 3 hrs
PHY 4605 Wave Mechanics II 3 hrs
PHY 4912 Directed Independent Research 3 hrs

4. Specialization: select one specialization

4.1 General Physics Specialization (18 hrs)

PHY 4803L Advanced Physics Lab 3 hrs
Upper Division Restricted Electives 6 hrs
PHY, PHZ, or AST courses 9 hrs

Directed Electives
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2 Materials Physics Specialization (18 hrs)

PHY 4803L Advanced Physics Lab 3 hrs
EVE 5356C Fabrication of Solid State Devices 4 hrs

Directed Electives
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.3 Optics and Lasers Specialization (18 hrs)

PHY 4424 Optics 3 hrs

Directed Electives
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.4 Computational Physics Specialization (19 hrs)

PHZ 5150 Computer Methods in Physics 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
COT 4500 Numerical Calculus 3 hrs

Directed Electives
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.5 Astronomy Specialization (18 hrs)

AST 3112 Astronomy 3 hrs
AST 3722C Techniques Observational Astron 3 hrs

Directed Electives
Courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.
5. Departmental Exit Requirements
- Students must have at least a 2.0 GPA in all courses counted toward the major.
- Students will be required to take a nationally normed test in Physics during their last semester.
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.
- Computer Competency met by COP 3223 or a departmental exam.
- Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Semester Hours Required: 120 hrs
Related Programs: Engineering, Mathematics
Related Minors: Mathematics, Physics, Astronomy
Transfer Notes:
- Lower Division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- CHM 2045C*: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student: $24.80 per term
- Part-time Student: $12.40 per term

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
Take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
Take Math Placement Test – http://mathplacement.ucf.edu/

Freshman Year
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<td>MAC 2311 Calc Anal Geo I</td>
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Junior Year
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<td>PHY 3752C req#3-core</td>
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<td>3 PHY 4324 Elect Mag II</td>
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<td>COP 3502C* req# 4-Spec</td>
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Senior Year
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<td>3 BSC 1005* req# 1E2-GE</td>
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<td>PHY 4912 Ind Research</td>
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<td>COT 4500* req# 4-Spec</td>
<td>3 PHY 4605 Intro to Quantum Mech III</td>
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<td>Elective* Check restrictions</td>
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POLITICAL SCIENCE (B.A.)
College of Sciences
Political Science Department, PH 302, 407-823-2608
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Chair: R. Handberg, 407-823-2608

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Double major/dual degree policy in Political Science programs and minors.
  1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except POS 2041.
  3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
- Courses designated in (1) General Education Program) and (2) (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      1. Select ENC 1101 & ENC 1102 6 hrs
      2. Prefer SPC 1608 3 hrs
   B. Cultural and Historical Foundations
      1. Prefer AMH 2010 3 hrs
      2. Select from GEP B.2 list 3 hrs
      3. Prefer AMH 2020 3 hrs
   C. Mathematical Foundations
      1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
      2. Prefer STA 2014C or STA 2006C 3 hrs
   D. Social Foundations
      1. Select POS 2041 3 hrs
      2. Select from GEP D.2 list 3 hrs
      3. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)
   - POS 2041* American National Government
   - GEP
   - POS XXXX* Any other POS XXXX course 3 hrs
*See Transfer Notes for possible substitutes
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core (0 hrs)
   - POS 2041
   - American National Government
   - POS 3703
   - Scope & Methods of Pol Sci
### UCF Degree Programs

#### 4. Upper Division Restricted Electives (30 hrs)
Choose one of the following emphases

<table>
<thead>
<tr>
<th>Track 1: American Politics and Policy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Five courses from area A</td>
</tr>
<tr>
<td>Two courses from area B</td>
</tr>
<tr>
<td>Two courses from area C</td>
</tr>
<tr>
<td>One additional course from any area</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Track 2: International Relations-Comparative Politics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two courses from area A</td>
</tr>
<tr>
<td>*Five courses from area B</td>
</tr>
<tr>
<td>Two courses from area C</td>
</tr>
<tr>
<td>One additional course from any area</td>
</tr>
</tbody>
</table>

*No more than two of the following courses may be considered part of area B credit: INR 4401, INR 4402, INR 4404.

#### Track 3: Prelaw
Please see Political Science - Prelaw for the emphasis requirements.

#### Track 4: International Studies
Please see Political Science - International Studies for the emphasis requirements.

### AREAS OF SPECIALIZATION

#### A. American Politics and Policy

- POS 3122 State Government & Public Policy
- POS 3173 Southern Politics
- POS 3182 Florida Politics
- POS 3233 Public Opinion
- POS 3235 Mass Media and Politics
- POS 3258 Politics in Film
- POS 3273 Voting and Elections
- POS 3413 The American Presidency
- POS 3424 Congress and the Legislative Process
- POS 3443 Political Parties and Processes
- POS 3463 Interest Groups
- POS 3627 Cultural Pluralism and the Law
- POS 4074 Latino Politics
- POS 4142 Metropolitan Politics
- POS 4204 Political Behavior
- POS 4246 Political Socialization
- POS 4284 Judicial Process and Politics
- POS 4412 Presidential Campaigning
- POS 4603 American Constitutional Law I
- POS 4604 American Constitutional Law II
- POS 4622 Politics and Civil Rights
- POS 4742 Geographic Information Systems for the Political Scientist
- PUP 4204 Sustainability
- PUP 4209 Urban Environmental Policy
- PUP 3203 Environmental Politics
- PUP 3314 Minorities in American Politics
- PUP 3325 Women and Political Behavior
- PUP 4003 American Public Policy
- PUP 4024 Sustainability
- PUP 4323 Women and Public Policy
- PUP 4742 GIS for the Political Scientist
- PUP 4404 Education and Politics
- PUP 4503 Government and Science
- PUP 4602 Politics of Health
- PUP 4744 Government and Business
- PUP 4931 Topics in Public Policy

#### B. International Relations and Comparative Government

| CPO 3034 Politics of Developing Areas |
| CPO 3103 Comparative Politics |
| CPO 3104 Politics of Western Europe |
| CPO 3132 Canadian Studies |
| CPO 3403 Politics of the Middle East |
| CPO 3614 Politics of Eastern Europe |
| CPO 4047 Politics of the NAFTA Region |
| CPO 4062 Comparative Judicial Processes |
| CPO 4074 Political Economy |
| CPO 4101 Politics of the European Union |
| CPO 4123 Government and Politics of Great Britain |
| CPO 4303 Comparative Latin American Politics |
| CPO 4445 Comparative Political Parties |
| CPO 4553 Politics of Japan |
| CPO 4643 Government and Politics of Russia |
| CPO 4710 Women in Comparative Perspective |
| CPO 4754 Comparative Political Institutions |
| CPO 4755 Foreign Area from area C |
| GEO 3471 World Political Geography |
| IDS 4315 Global Perspectives |
| INR 2002 International Relations-Theory & Practice |
| INR 2016 Global Political Issues |
| INR 2550 Politics of Pan-Africanism |
| INR 3253 International Politics of Africa |

**4. Upper Division Restricted Electives (30 hrs)**

- INR 4011 Politics of Globalization
- INR 4030 Diplomacy
- INR 4035 International Political Economy
- INR 4054 Global Politics of Energy
- INR 4060 Causes of War
- INR 4064 Changing Nature of War
- INR 4074 Immigration Policy
- INR 4075 Human Rights Policy
- INR 4076 Global Drug Policy
- INR 4085 Women, Gender, and Globalization
- INR 4102 American Foreign Policy
- INR 4104 Topics and Cases in American Foreign Policy
- INR 4114 American Security Policy
- INR 4115 Strategic Weapons and Arms Control
- INR 4224 Contemporary International Politics of Asia
- INR 4225 The Vietnam War
- INR 4243 International Politics of Latin America
- INR 4350 Global Environmental Politics
- INR 4364 The Intelligence Community
- INR 4382 Issues in International Public Policy
- INR 4383 Coercion in International Politics
- INR 4401 International Law I
- INR 4402 International Law II
- INR 4403 International Law III
- INR 4404 Space Law
- INR 4502 International Organizations
- INR 4714 Politics of International Trade Policy
- POS 3253 Contemporary Revolution & Political Violence
- PUP 3508 Space Studies
- PUP 3014 Comparative Public Policy
- INR 4381 International Environmental Law
- PUP 4510 Space Policy

#### C. Political Theory

- INR 4603 International Relations Theory
- POS 4206 Political Psychology
- POT 3204 American Political Thought
- POT 3302 Modern Political Ideologies
- POT 4003 Political Theory
- POT 4025 Ancient, Medieval and Early Modern Political Philosophy
- POT 4054 Modern Political Philosophy
- POT 4066 Contemporary Political Theory
- POT 4109 Politics and Literature
- POT 4345 Pan-Africanist Thought
- POT 4305 The State, Society, and The Individual
- POT 4314 Contemporary Democratic Theory
- POT 4331 Utopia/Dystopia
- POT 4414 Marxist Political Theory
- POT 4632 Religion and Politics

**5. Departmental Exit Requirements**
- Maintain a minimum GPA of 2.0 in the major
- Computer Competency met by POS 3703
- Before applying to graduate, the CLAST must be completely satisfied.

**6. Foreign Language Requirements** (0-8 hrs)

**Admission:** Met by graduation requirement

**Graduation:** Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

**7. Electives** (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

**Internship Program: Political Science**

For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

**8. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
UCF Degree Programs

Total Semester Hours Required 120 hrs

Related Programs: Economics, History
Related Minors: Economics, History, Psychology, Sociology, Philosophy

Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if take
prior to transferring to UCF:
- POS 2041* and POS XXX**: any six hours of introductory Political Science classes. Since POS 2041 and POS 3703 satisfy the CPP as well as the major’s core requirements, students are advised to select POS 2041 and POS 3703 to satisfy the CPP.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................ $10 per term
- Part-time Student ........................................ $5 per term

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
AMH 2010 U S His 1492 1877 3 AMH 2020 U S His 1877 Pres 3
ENC 1101 Composition I 3 ENC 1102 Composition II 3
MGF 110x* req# 1C1-GEF 3 REL 2300* req# 1B3-GEF 3
POS 2041 Amer National Gvt 3 SPC 1608* req# 1A3-GEF 3
PSY 2012* req# 1D2-GEF 3 STA 2014C Prin of Statistics 3

Spring
BSC 1005* req# 1E1-GEF 3 POS 3703 Meth of Pol Sci 3
CPO 3103* req# 4B3-Elec 3 Elective* Check restrictions 3
Elective* Check restrictions 3 SPN 1120C* req# Lang/Elec 4
Sophomore Year
Fall
BSC 1005* req# 1E1-GEF 3 POS 3703 Meth of Pol Sci 3
POS 2041 American National Gvt 3 SPC 1608* req# 1A3-GEF 3
Elective* Check restrictions 3 STA 2014C Prin of Statistics 3

Spring
CPO 3103* req# 4B3-Elec 3 Elective* Check restrictions 3
Elective* Check restrictions 3 SPN 1120C* req# Lang/Elec 4

Junior Year
Fall
CPO 3233* req# 4A3-Elec 3 POS 3703 Meth of Pol Sci 3
POS 3242* req# 4A3-Elec 3 Elective* Check restrictions 3
Elective* Check restrictions 3 POS 4603* req# 4A-Elec 3
Elective* Check restrictions 3 CPO 3034* req# 4B3-Elec 3
Elective* Check restrictions 3

Spring
CPO 3233* req# 4A3-Elec 3 POS 4604* req# 4A3-Elec 3
Elective* Check restrictions 3 Elective* Check restrictions 3
Elective* Check restrictions 3

Senior Year
Fall
CPO 3233* req# 4C3-Elec 3 POS 3172* req# 4 A.B.C 3
Elective* Check restrictions 3 Elective* Check restrictions 3
Elective* Check restrictions 3 Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
Elective* Check restrictions 3

POLITICAL SCIENCE - PRELAW TRACK (B.A.)
College of Sciences
Political Science Department, PH 302, 407-823-2608
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: R. Handberg, 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major.

Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department's prelaw advisors or the College of Arts and Sciences Prelaw Advisor.

The following represent a suggested curriculum which both meets the requirements for a Political Science Degree while preparing you for professional school.

Admission Requirements

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Double major/dual degree policy in Political Science programs and minors
  1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses, except POS 2041 and POS 3703, toward both programs.
  2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)

A. Communication Foundations
  1. Select ENC 1101, ENC 1102
  2. Select SPC 1608

B. Cultural and Historical Foundations
  1. Prefer AMH 2010
  2. Prefer AMH 2020
  3. Select from GEP B.2 list

C. Mathematical Foundations
  1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math)

D. Social Foundations
  1. Select POS 2041 American National Gvt

2. Core (0 hrs)

  1. POS 2041 American National Gvt
  2. POS 3703 Scope & Methods of Pol Sci

3. Upper Division Restricted Electives (30 hrs)

  1. Select one of the following:
     4. POS 4603 American Constitutional Law I
     5. POS 4604 American Constitutional Law II
     6. INR 4401 International Law

  2. Select one from area C

  3. Select one course from area D

5. Upper Division Restricted Electives (30 hrs)

  1. Maintain a minimum GPA of 2.0 in the major
  2. Computer Competency met by POS 3703
  3. Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement

Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examination requirements for foreign languages may be used to meet the requirement.
7. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

Some suggested electives Include:

- ACG 2021 Principles of Financial Accounting
- ACG 2071 Principles of Managerial Accounting
- BUL 3130 Legal and Ethical Env't of Business
- PLA 3104 Legal Research
- PLA 3155 Legal Writing
- PHI 2001 Critical Thinking
- MGF 3302 Logic and Proof in Mathematics
- ENC 3241 Writing for the Technical Professional
- ENC 3250 Professional Writing
- LIN 4105 History of the English Language

Internship Program: Political Science

For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Economics, History, Philosophy
Related Minors: Economics, History, English, Philosophy
Transfer Notes:
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- POS 2041* and POS XXXX*: any six hours of introductory Political Science classes. Since POS 2041 and POS 3703 satisfy the CPP as well as the major's core requirements, students are advised to select POS 2041 and POS 3703 to satisfy the CPP.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student $10 per term
- Part-time Student $5 per term

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
- AMH 2010 U S His 1492 1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 110X* req# 1C1-GEP 3 hrs
- POS 2041 Amer National Gvt 3 hrs
- PSY 2012* req# 1D2-GEP 3 hrs

Spring
- AMH 2020 U S His 1877 Pres 3 hrs
- ENC 1102 Composition II 3 hrs
- REL 2300* req# 1B3-GEP 3 hrs
- SPC 1608* req# 1A3-GEP 3 hrs
- STA 2014C Prin of Statistics 3 hrs

Sophomore Year
Fall
- BSC 1005* req# 1E2-GEP 3 hrs
- POS 4284 Jud Process Pol 3 hrs
- CPO 3104* req# 42.8B-RE 3 hrs
- Elective* Check restrictions 3 hrs
- SPN 1120C* req# Lang/Elect 4 hrs

Spring
- MGF 1106 (may substitute a higher level math) 3 hrs
- SPC 1608* req# 1A3-GEP 3 hrs
- STA 2014C Prin of Statistics 3 hrs

Honors in Psychology:
Additional Requirements (6 hrs)
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology
- Application and admission through the department
- Fulfill University requirements for Honors in the Major
- Have a Psychology GPA above 3.5, based on at least 11 credits, including PSY 3213C. No grades can be below a “B” (3.0)
- Have an overall UCF GPA above 3.2
- PSY 4903H Directed Honors Readings 3 hrs
- PSY 4970H Undergraduate Honors Thesis 3 hrs

1. UCF General Education Program (36 hrs)
(6 hrs)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
  1. Prefer MGF 1106 or MGF 1107 (may substitute a higher level math) 3 hrs
  2. Select STA 2023 or STA 2014C 3 hrs
D. Social Foundations
  1. Select one of the listed choices 3 hrs
  2. Select PSY 2012 3 hrs
E. Science Foundations
  1. Select one of the listed choices 3 hrs
  2. Select PSY 2012 3 hrs

E. Science Foundations
  1. Select one of the listed choices 3 hrs
  2. Select PSY 2012 3 hrs

Two. Common Program Prerequisites (3 hrs)
BSC 1005* Biological Principles or
BSC 2010C (if additional Biology courses are planned)
PSY 2012 General Psychology
DEP 2004* Developmental Psychology 3 hrs
STA 2023* Statistical Methods I (or STA 2014C) 3 hrs

*See Transfer Notes for possible substitutions

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
UCF Degree Programs

3. Core requirements (15 hrs)

- BSC 1005* Biological Principles (or BSC 2010C) GEP
- PSY 2012 General Psychology GEP
- STA 2023* Statistical Methods I (or STA 2014C) GEP
- PSY 3204 Statistical Methods in Psychology 4 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- PSB 3002 Psychological Psychology 3 hrs
- PSY 4604 History and Systems of Psychology 3 hrs

4. Restricted Electives (27-32 hrs)

A. Experimental. Select two of the following: 6-8 hrs

- EXP 3404 Basic Learning Processes
- EXP 3204C Perception
- EXP 3604C Cognitive Psychology
- PSY 4240C Neuropsychology
- PSY 3703 Psychology of Language
- PSY 4215C Advanced Research Methods in Psychology

B. Personality/Social. Select one of the following: 3 hrs

- PPE 3003 Personality Theories
- SOP 3004 Social Psychology

C. Developmental. Select one of the following: 3 hrs

- DEP 2004 Developmental Psychology
- DEP 3202 Psychology of Exceptional Children
- DEP 3464 Psychology of Aging

D. Diversity. Select one of the following: 3 hrs

- CLP 3184 Women's Mental Health
- SOP 3742 Psych of Women
- SOP 3723 Cross Cultural Psychology
- SOP 3724 Psychology of Racial Prejudice
- SOP 3784 Psychology of Diversity

E. Applied. Select one of the following courses: 3 hrs

- CLP 3302 Clinical Psychology
- EXP 3250 Principles of Human Factors Psychology
- INF 3004 Industrial/Organizational Psychology

F. Psychology Elective. Select three additional courses taught by the Psychology department Note: INP 3141C, INP 3951, PSY 3905, PSY 4900, PSY 4912 will not fulfill this requirement. PSY 3951 will not fulfill this requirement without prior approval. 9-12 hrs

- INP 3141C, INP 3951, PSY 3905, PSY 4900, PSY 4912

5. Math/Science Electives (6-8 hrs)

Select two of the following from outside Psychology (See course listing for prerequisites)

- ANT 2511 The Human Species (satisfies GEP)
- BSC 1005* Biology & Environment
- BSC 2010C Biology II
- BSC 4312C Marine Biology
- ENV XXXX Any ENV prefix course
- GEO XXXX Any GEO prefix course
- PSC 1121 Physical Science (satisfies GEP)
- PHY 2053C College Physics I (satisfies GEP)
- CHM 1020 Concepts in Chemistry (satisfies GEP)
- COP 3223 Introduction to Programming with C
- COP 3502C Computer Science I
- COP 3503C Computer Science II
- MAC 2233 Concepts of Calculus or
- MAC 2283 Applied Calculus I
- MCB XXXX Any MCB prefix course
- PCB 3036 & L Genetics with lab
- PCB 3730C Human Physiology
- STA 4102 Computer Process of Stat Data
- STA 4163 Statistical Methods II
- STA 4164 Statistical Methods III
- ZOO XXXX Any ZOO prefix course

6. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each course in the core requirements, restricted electives and science elective.
- Maintain a minimum overall psychology GPA of 2.0
- Computer Competency met by PSY 3213C
- Before applying to graduate, the CLAST must be completely satisfied

7. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement.

Graduation: Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Related Programs: Sociology, Anthropology, Statistics, Criminal Justice

Related Minors: Psychology, Sociology, Anthropology, Math, Statistics

Transfer Notes:

- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- BSC 1005 or BSC 2010C: any lower level BSC course or ZOO X010. However, BSC 2010C is a prerequisite for all subsequent Biology courses and thus may need to be taken in order to qualify for other Biology courses used as science electives for the BS degree in psychology.
- STA XXXX: any lower level STA course will fulfill the CPP. Since STA 2014C or STA 2023 are prerequisites for subsequent psychology courses, students are advised to select either to satisfy their CPP.
- DEP 2004: any lower level psychology course will fulfill the CPP. Since DEP 2004 satisfies the CPP as well as psychology restricted elective 4C, students are advised to select DEP 2004 to satisfy their CPP.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student .................................................. $11 per term
- Part-time Student .................................................. $5.50 per term

Suggested Plan of Study:

One of numerous possible plans of study; see program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>PHI 2010* req* B13-GEP</td>
<td>3 BSC 1005 Biological Principles* 3</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 ENC 1102 Composition II 3</td>
</tr>
<tr>
<td>MGF 110X* req* 1C1-GEP</td>
<td>3 POS 2041* req* 1D1-GEP</td>
</tr>
<tr>
<td>PSC 1121 req* 1E2-GEP</td>
<td>3 SPC 1603* req* 1A3-GEP</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 STA 2023* Statistical Methods I 3</td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 2000* req* B1-GEP</td>
<td>3 EIH 2001* req* B2-GEP 3</td>
</tr>
<tr>
<td>DEP 2004* req* 4C-ResElect</td>
<td>3 ASL 2150* req* Lang/Elect 4</td>
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<tr>
<td>MGF 110X* req* 1C1-GEP</td>
<td>3 Elective* Check restrictions 3</td>
</tr>
<tr>
<td>AST 2002* Astronomy</td>
<td>3 Elective* Check restrictions 3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>2</td>
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</table>

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSB 3002 Phys Psychology</td>
<td>3 PSY 3213C Res Meth Psych 5</td>
</tr>
<tr>
<td>PSY 3204 Stat Meth in Psych</td>
<td>4 Psych Elective* Check restrictions 3</td>
</tr>
<tr>
<td>CLP 3302* req* 4E-ResElect</td>
<td>3 Elective* Check restrictions 3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3 Elective* Check restrictions 3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

240 UNIVERSITY OF CENTRAL FLORIDA 2009-2010 Undergraduate Catalog
Public Administration electives are required as follows:

4. Upper Division Electives (39 hrs)
   - Administration Elective:
     - 3 hrs
     - PAD 4414 Public Personnel Administration
   - Fiscal Management Elective:
     - 3 hrs
     - PAD 4204 Fiscal Management
   - Administrative Theory Elective:
     - 3 hrs
     - PAD 4104 Administrative Theory
   - Administration Elective:
     - 3 hrs
     - PAD 4720 Survey Research in Public Administration

5. Departmental Exit Requirements
   - The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisite courses and in all Core Requirements (see sections 2 and 3 above). An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3 and 4).

6. B.A. / B.S. Option (6 hrs)
   - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
   - Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

7. Foreign Language Requirements (0-8 hrs)
   - Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - Complete the General Education Program, the Gordon Rule, the CLEP and nine hours of Summer credit (if applicable)
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and armed forces credits permitted.

Total Semester Hours Required: 120 hrs

### UCF Degree Programs

#### Related Programs:
- Accounting, Communications, Economics, Legal Studies, Computer Science, Social Work, Political Science, Criminal Justice, Health Services Administration, Management

#### Related Minors:
- Communications, Business, Economics, Political Science, Legal Studies, Criminal Justice

#### Transfer Notes:
- Intro to Computer Science (CGS 1060C) or any Computer Science course
- Economics I (ECO 2013) or any Macroeconomics course
- American National Government (POS 2041) or any course in American National Government

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

### Tentative Course Schedule for Entering Freshmen

#### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>14 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>3 hrs</td>
<td>MGF 1106</td>
</tr>
<tr>
<td>POS 2041</td>
<td>3 hrs</td>
<td>PSY 2012 or SYG 2000</td>
</tr>
<tr>
<td>One Course: ARH 2050, ARH 2051, MUL 2010, THE 2000, REL 2300, PHI 2010, LIT 2110, LIT 2120</td>
<td>3 hrs</td>
<td>or ANT 2000 or CHM 1120 or PSC 112</td>
</tr>
<tr>
<td>PAF 2102</td>
<td>Elective 3</td>
<td>3 hrs</td>
</tr>
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</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>15 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td>SPSC 1608</td>
<td>3 hrs</td>
<td>PAD 3003</td>
</tr>
<tr>
<td>EUH 2000 or HUM 2210</td>
<td>3 hrs</td>
<td>EUH 2001 or WOH 2022 or HUM 2230 or</td>
</tr>
<tr>
<td>or AMH 2010 or WOH 2012</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ECO 2103</td>
<td>3 hrs</td>
<td>AMH 2020</td>
</tr>
<tr>
<td>BSC 1005 or MCB 1310</td>
<td>3 hrs</td>
<td>Elective</td>
</tr>
<tr>
<td>or GLY 1030 or GEO 1200</td>
<td>3 hrs</td>
<td>Elective or AMH 2121</td>
</tr>
<tr>
<td>or ANT 2511</td>
<td>3 hrs</td>
<td>Elective</td>
</tr>
<tr>
<td>PAF 2102</td>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
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<tbody>
<tr>
<td>Fall</td>
<td>15/16 hrs</td>
<td>15/16 hrs</td>
</tr>
<tr>
<td>PAD 4104</td>
<td>3 hrs</td>
<td>PAD 4084</td>
</tr>
<tr>
<td>PAD 4414</td>
<td>3 hrs</td>
<td>PAD 4204</td>
</tr>
<tr>
<td>PAD Elective</td>
<td>3 hrs</td>
<td>PAD Elective</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
<td>Supporting Elective</td>
</tr>
<tr>
<td>Foreign Lang I or B.S. option</td>
<td>4/3</td>
<td>Foreign Lang II or B.S. option</td>
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</table>
UCF Degree Programs

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD Elective</td>
<td>3</td>
<td>PAD Internship*</td>
<td>6</td>
</tr>
<tr>
<td>PAD Elective</td>
<td>3</td>
<td>Supporting Elective</td>
<td>2</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3</td>
<td>Supporting Elective</td>
<td>3</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3</td>
<td>Supporting Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

*This can be taken in any of the following combinations: 6 hrs of PAD Internship; 6 hrs of PAD electives; or 3 hrs of PAD Internship and 3 hrs of PAD electives.

Minors

The six PAD required core courses for the major will be required of the PAD minor. These are PAD 3003, PAD 4414, PAD 4104, PAD 4204, PAD 4034, and PAD 4720.

UMinor in Nonprofit Management.

Humanics National Certification Program and also offers a certificate in Nonprofit Management.

RADIO-TELEVISION (B.A.)
College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
E-mail: radiotv@ucf.edu
Contact: Dr. W. Joe Hall

Admission Requirements

- Students should apply to become Radio-Television majors only after completing all requirements for admission. Deadlines are: October 1 to be admitted the next Spring term; February 1 to be admitted the next Summer term; July 1 to be admitted the next Fall term.
- Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- Meet a grammar proficiency standard ("B" grades or better in ENC 1101 and ENC 1102 or pass the grammar proficiency exam.)
- Receive a positive evaluation of other factors specified by the School.
- Students who change degree programs (other than from Radio/TV Pending) and select this major must adopt the most current catalog.
- Students may complete an internship off-campus in a professional broadcast, production, or corporate operation with advisor's approval
- Internship credit may be used in this major pending departmental permission.
- Co-op credit may be used in this major pending approval from an RTV advisor.
- Students should consult with a School advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e., within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Radio TV majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.
- Students seeking to change tracks once accepted into the major, must re-apply to the RTV major under the new, desired track.
- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.

- A maximum of 6 credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during "C" term only.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program

A. Communication Foundations

Select ENC 1101 & ENC 1102
Select SPC 1608 or SPC 1603

B. Cultural and Historical Foundations

9 hrs

C. Mathematical Foundations

- Prefer MGF 1106 or MGF 1107 (may substitute a higher level math)
- Select CGS 2100C

D. Social Foundations

6 hrs

E. Science Foundations

6 hrs

2. Common Program Prerequisites

Select one course

GEP


3. Core requirements (all areas)

(21 hrs)

a. Select one of the following:

- SPC 1603 Computer Fundamentals of Business
- SPC 2585C Desktop/Internet Publishing
- SPC 3175 Internet Applications

b. Complete all the following:

- RTV 2102 Writing for the Electronic Media
- RTV 3200 Production Fund & Aesthetics of Electronic Media
- RTV 3007 Development and Structure of Electronic Media and New Technology
- MMC 3200 Mass Communication Law
- RTV 4403 Elec Media, Tech, and Society
- MMC 3420 Mass Media Research Meth

4. Specialization: Select one area

4.1 Production

(18 hrs)

Select 18 hours from the following:

- RTV 3210C Audio Production I
- RTV 3228C Studio Television Production
- RTV 3223C Lighting for Video
- RTV 3260C Single Camera Video Prodn & Edit
- RTV 3263C Advanced Video Post-Production
- RTV 3283C Production of Int. Multimedia
- RTV 3942C Practicum
- RTV 4211C Audio Production II
- RTV 4280C Webcasting I
- RTV 4281C Webcasting II
- RTV 4260C Television Directing
- RTV 4271C Radio Production & Programming
- RTV 4941 Internship

4.2 Broadcast Journalism

(22 hrs)

a. Complete all the following courses:

- RTV 3200C Single Camera Video Prodn & Edit
- RTV 3301 Electronic Journalism I
- RTV 3300D Electronic Journalism II
- RTV 4320C Television News
- MMC 4602 Contemporary Media Issues
- JOU 3004 History of American Journalism
- RTV 3234C Broadcast Announcing and Performance
- RTV 4941 Internship (3 hrs max)
- RTV 4700 Regulation of Broadcasting
- RTV 4906 Independent Studies (3 hrs max)
- RTV 4322C Advanced Television News

4.3 Broadcast Generalist

(18 hrs)

a. Select 12 hours from the following:

- RTV 3234C Broadcast Announcing & Performance
- RTV 4271C Radio Production & Programming
- RTV 4700 Regulation of Broadcasting
- RTV 4800 Broadcast Management
- ADV 4103 Radio-TV Advertising
- CMC 4240 Corporate/Institutional Video
- COM 3330 Computer Mediated Comm.
- MMC 4253 New Media Technologies
- RTV 4941 Internship (3 hrs max)
b. Select 6 hours from the following: 6 hrs
   ADV 3008  Principles of Advertising
   PUR 4000  Public Relations
   COM 3110  Business & Prof. Comm.
   ENC 3250  Professional Writing

5. Required Minor (18 hrs minimum)
   Radio-Television majors must complete an 18 hour minor in an academic area outside the School of Communication.

6. School Exit Requirements
   ■ To avoid delaying graduation, you must request a review of requirements before registering for your last term
   ■ Achieve an overall "C" GPA (2.0) in UCF Radio/TV courses used to satisfy the major.
   ■ Computer competency met by CGS 2100C or departmental assessment.
   ■ Before applying to graduate, the CLAST must be completely satisfied.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
   Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 36 hours of course work must be completed in residency at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   ■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Advertising/Public Relations, Animation, Digital Media, Journalism, Film, Theatre
Related Minors: Digital Media, Film, Marketing, Theatre
Transfer Notes:
   ■ Lower division courses taken at community colleges do not substitute for Upper Division courses
   ■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Program Academic Learning Compacts
   ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
   ■ Full-time Student .......................... $90 per term
   ■ Part-time Student .......................... $45 per term

RADIOLOGIC SCIENCES (B.S.)
College of Health and Public Affairs
Department of Health Professions
HPA2 208, 407-823-2747
http://www.cohpa.ucf.edu/health.pro/radbs.cfm
Undergraduate Program Director: Susan Gosnell, E-mail: sgosnell@mail.ucf.edu

A. Communication Foundations
   ■ Communication Foundations: 9 hrs
   - Select one of the following:
     - English 2060C
     - English 1111C
     - English 1105C

B. Cultural Historical Foundations    9 hrs
   ■ Cultural Historical Foundations: 9 hrs
   - Select one of the following:
     - MAC 1105*
     - MAC 2311C
     - HSC 4555

C. Mathematical Foundations        6 hrs
   ■ Mathematical Foundations: 6 hrs
   - Select one of the following:
     - MAC 2311C
     - MAC 2512
     - MAC 2242

D. Social Foundations               6 hrs
   ■ Social Foundations: 6 hrs
   - Select one of the following:
     - MAC 2242
     - MAC 2621C

E. Science Foundations              8 hrs
   ■ Science Foundations: 8 hrs
   - Select one of the following:
     - MAC 2621C
     - MAC 2621

F. Transfer Notes
   - *See Transfer Notes
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

Degree Requirements
   ■ Students who are Radiologic Sciences Pending and are admitted to the program must adopt the most current catalog
   ■ Students should complete the General Education Program, Foreign Language Admissions, and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
   ■ Students should consult with a departmental advisor
   ■ The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
   ■ A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program
   ■ UCF Residency Requirement for Radiography: 33 hrs
4. Program Exit Requirements

A minimum overall GPA of 2.50 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the Radiography certification exam administered by the American Registry of Radiologic Technologists (ARRT).

5. Electives

none

6. 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 who transfer with a Florida Public Community College AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation:

none

7. University Minimum Exit Requirements

An overall GPA of 2.5
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residency at UCF
25% of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required:

(126 hrs)

Related Programs: Cardiopulmonary Sciences, Nursing, Health Services Administration

Transfer Notes:

Prerequisite Requirements
The prerequisite requirements for the following courses are listed below:

PHY 2053C: PR: MAC 1105 and MAC 1114 or equivalent or C.I. PCB 3703C: PR: BSC 2010C, CHM 1032 or CHM 2045C.
ZOO 3733C: PR: BSC 2010C or equivalent.

Credit by Examination
Credit by Exam for clinical education courses will be awarded to ARRT certified Radiographers who demonstrate advanced knowledge and competencies beyond the level required for entry into the profession. The knowledge required to perform advanced competencies may be demonstrated by registration in multiple disciplines, registration in an advanced level of certification or completion of the Advanced Clinical Practicum course. Students who successfully complete the requirements for credit by exam will be awarded a grade of "S" for the clinical education courses required in their program of study.

Credit by exam for didactic courses will be awarded according to the process described in the UCF Catalog.

Community College Equivalents:

Human Anatomy and Physiology I and II (BSC X085C and BSC X086C or BSC 2093C and BSC 2094C) 8
College Algebra (MAC 1105) or (MAC 1102) 3
College Physics I (PHY 2053C) 4
College Physics II (PHY 2054C) 4
Introduction to Computer Science (CGS 1060C or CGS X530, CGS X570, CIS X400, CIS X900, CBS X000, CBS X061, CBS X361/no longer offered), CGS X100 3

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student ........................................ $50 per term
- Part-time Student ........................................ $25 per term

Tentative Course Schedule for Entering Freshmen

Freshman Year

Fall 13 hrs Spring 16 hrs
ENC 1101 3 ENC 1102 3
CGS 1060C 3 BSC 2010C 4
MAC 1105 3 MAC 1114 3
CHM 1032 and lab 4 ECO 2013 or POS 2041 or 3
ECO 2023 3
MUL 2010 or THE 2000 or 3
REL 2300 or PHI 2010 or 4
ARRH 2050 or FIL 2030 3

Sophomore Year

Fall 14 hrs Spring 14 hrs
PHY 2053C 4 PCB 3703C 4
ZOO 3733C 4 SPC 1608 3
EUH 2000 or HUM 2210 3 PHY 2054C 4
or AMH 2010 3 EUU2001 or 3
PSY 2012 or SYG 2000 or 3
ANT 2000 3

Junior Year

Fall 15 hrs Spring 16 hrs
RTE 3804L 2 RTE 4385 1 RTS 4834L 6
RTE 3804L 2 RTE 4385 1 RTS 4834L 6
RT 4514 2 RTE 3116 3
RTE 3814L 2 RTE 3308 3
RTE 3804L 2
Summer 13 hrs
STA 2023 3
t
RT 3814L 2
RTE 3308 3
RTE 4563 2
Senior Year

Fall 14 hrs Spring 12/14 hrs
RTE 4385 1 RTE 4846L 4*
RTE 4762 3 R or both RTE 4846L 2
RTE 4834L 6 and RTE 4846L 2
RTE 4573 3 RTE 4762 2
RTE 4574 or RTE 4579 1 RTE 4473 3
RTE 4206 3
Summer 46 hrs
RTE 4846L 4*
or
RTE 4844L 2
and RTE 4854L 4*
*Completed during the Spring or Summer semester/term.

RADIOLOGIC SCIENCES (B.S.)

A.S. to B.S. TRACK

Note: For detailed information, see description of this program in the Statewide Articulated A.S. to B.S Programs section.

REAL ESTATE (B.S.B.A.)

College of Business Administration

BA 201, 407-823-2184
http://www.bus.ucf.edu/

Not eligible for a double degree with another College of Business Administration major

Admissions Requirements

- Completion of the UCF General Education Program, and Gordon Rule, or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program

(36 hrs)

A. Communications Foundations 9 hrs
   Preferred: SPC 1018 Fund of Oral Communication
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
   Select MAC 1160 Pre-Calculus 3 hrs
   Select CIS 2010C Computer Fund. For Business 3 hrs
D. Social Foundations
   Select ECO 2013 or ECO 2023 3 hrs
   Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
E. Science Foundations 6 hrs
2. Common Program Prerequisites  (18-21 hrs)
Must be completed with a "C" (2.0) or better.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACG 2021 Principles of Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>*ECO 3401 Quantitative Business Tools I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3</td>
</tr>
</tbody>
</table>

*At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Classes  (36 hrs)
First or subsequent semester in the College of Business Administration:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031 Cornerstone (Required in 1st or 2nd semester)</td>
<td>4</td>
</tr>
<tr>
<td>GEB 3375 Introduction to International Business</td>
<td>4</td>
</tr>
<tr>
<td>BUL 3130 Legal &amp; Ethical Environments of Business</td>
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</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
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<tr>
<td>PIN 3430C Business Finance</td>
<td>4</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>4</td>
</tr>
<tr>
<td>ISM 3011C Essentials of Management Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>4</td>
</tr>
<tr>
<td>MAN 4720 Strategic Management</td>
<td>4</td>
</tr>
</tbody>
</table>

4. Special College and/or Department Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in real estate must apply for admission to the major.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework can count toward another major or minor degree program.
- Students majoring in real estate must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major.
- Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses  (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100 Personal Finance and Investments</td>
<td>3</td>
</tr>
<tr>
<td>REE 3043 Fundamentals of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>REE 3433 Real Estate Law</td>
<td>3</td>
</tr>
</tbody>
</table>

6. Restricted Electives  (15 hrs)
Select five of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3414 Intermediate Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3504 Investment Analysis</td>
<td>3</td>
</tr>
<tr>
<td>REE 3614 Environmental Issues for Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>REE 4103 Real Estate Appraisal and Valuation</td>
<td>3</td>
</tr>
<tr>
<td>REE 4203 Commercial Real Estate Finance</td>
<td>3</td>
</tr>
<tr>
<td>REE 4204 Residential Real Estate Finance</td>
<td>3</td>
</tr>
<tr>
<td>REE 4303 Real Estate Investment Analysis</td>
<td>3</td>
</tr>
<tr>
<td>REE 4732 Real Estate Development</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3391 Professional Selling</td>
<td>3</td>
</tr>
<tr>
<td>REE 4941 Internship</td>
<td>3</td>
</tr>
<tr>
<td>REE 4903H*** Honors Directed Readings in Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>REE 4970H*** Honors Thesis in Real Estate</td>
<td>3</td>
</tr>
</tbody>
</table>

Notes:
**Must be accepted into the UCF Honors in the Major Program.

See http://www.honors.ucf.edu/ for details.

7. Foreign Language Requirements  (0-8 hrs)

**Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives***  (variable)
Total Semester Hours Required  120 hrs

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

**Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................ $30 per term
- Part-time Student .......................................... $15 per term

**FOUR YEAR PLAN OF STUDY - REAL ESTATE**

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
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<th>Hours</th>
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<tr>
<td></td>
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<td>Cul-Hist I</td>
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<td>REE 3433</td>
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<tr>
<td></td>
<td></td>
<td>Reeves Elective***</td>
<td>3</td>
</tr>
</tbody>
</table>

***General electives as required to reach 120 semester hours.
UCF Degree Programs

RELGIOUS STUDIES (B.A.)
College of Arts and Humanities
Department of Philosophy, PSY 220, 407-823-2273
http://www.cah.ucf.edu/philosophy/
E-mail: religion@mail.ucf.edu

Program Director: Claudia Schippert, E-mail: cschippe@mail.ucf.edu

Admission Requirements

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hrs.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      - 9 hrs
   B. Cultural and Historical Foundations
      - Select HUM 2210 Humanistic Tradition I (3 hrs)
      - Select HUM 2230 Humanistic Tradition II (3 hrs)
      - Select REL 2300 World Religions (3 hrs)
   C. Mathematical Foundations
      - Select MGF 1106 Finite Mathematics or MGF 1107 (May substitute a higher level math) (6 hrs)
      - Prefer STA 1060C Statistics Using Excel (6 hrs)
   D. Social Foundations
      - Select 6 hrs
   E. Science Foundations
      - Select 6 hrs

2. Common Program Prerequisites

3. Core requirements (24 hrs)
   a. Core (0 hrs)
      - HUM 2210 Humanistic Traditions I
      - HUM 2230 Humanistic Traditions II
      - REL 2300 World Religions
   b. Foundations in the Study of Religion and the Humanities (9 hrs)
      - Select three courses, at least two must be from (1)
      - (1) Religion
         - REL 3311 Religion in America
         - REL 4110 Religion and the Arts
         - PHI 3700 Philosophy of Religion
         - ANT 3241 Magic, Ritual, and Belief
         - POT 4632 Religion and Politics
         - SYO 4209 Sociology of Religion
      - (2) Humanities and Classics
         - CLT 3370 Classical Mythology
         - CLT 3378 Comparative Mythology
         - HUM 3431 Ancient Humanities
         - HUM 3435 Medieval Humanities
         - HUM 3436 Modern Humanities
         - HUM 3432 Contemporary Humanities
   c. Traditions: Religion in a Global World (9 hrs)
      - Select three courses:
         - HUM 3401 Asian Civilizations
         - HUM 3417 Hindu Thought and Culture
         - HUM 3419 Islamic Thought and Culture
         - HUM 3552 Christian Thought
         - HUM 3553 Moses, Jesus, and Mohammed
         - REL 3340 Buddhist Thought
         - ANT 3245 Native American Religions
         - JST 3401 The Jewish People I
         - JST 3402 The Jewish People II
      - d. Applications: Topics and Issues in the Study of Religion (6 hrs)
         - Select two courses:
         - PHI 3033 Philosophy, Religion, and the Environment
         - REL 3115 Religion, Spirituality, and Popular Music
         - REL 3111 Religion and Philosophy through Film
         - REL 3432 Roots of Western Mysticism
         - REL 4932 Religion and Medicine
         - HUM 4504 Religious Quest and the Human Dilemma
         - HUM 4303 The Spiritual Ideal
         - PHI 3672 Animal Ethics

4. Upper Division Restricted Electives (9 hrs)
   Select three courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):
   - REL 4901 Spiritual Care Internship
   - HUM 3320 Contemporary Multicultural Studies
   - HUM 4301 The Classical Ideal
   - HUM 4330 Performance Theory
   - PHI 4321 Philosophy of Embodiment: Mind/Body/Self
   - PHI 3629 Family Values
   - PHI 3638 Ethical Issues in the 21st Century
   - PHI 3684 Ways of Living
   - PMH 3020 Philosophy of Love
   - PHI 4341 Ways of Knowing
   - PHI 4804 Critical Theory
   - PHM 3100 Freedom and Justice
   - PHP 3766 Existentialism
   - AML 3615 Harlem, Haiti, and Havana
   - ASH 3222 Islam and its Empires
   - ASH 3223 The Modern Middle East
   - JST 3100 The Hebrew Creative Mind
   - JST 3125 The Book of Job
   - JST 3144 Dead Sea Scrolls
   - JST 3450 Modern Jewish Experience
   - JST 3500 Introduction of Modernism into Judaism
   - JST 3701 History of the Holocaust
   - JST 3751 Literature of the Holocaust
   - JST 3810 The Jewish National Movement and Roots of Zionism
   - LIT 4374 Literature of the Bible
   - LIT 3202 Death and Dying

Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

5. Departmental Exit Requirements (3 hrs)
   - REL 4910 Senior Research Seminar (3 hrs).
   - Earn a “C” (2.0) or better in each required course.
   - Computer Competency met by REL 4970H, REL 4910, or by STA 1060C.
   - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

6. Honors in the Major

Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major. Requirements are as follows:

Core, Elective Requirements, and Senior Seminar (36 hrs)

Honors Thesis (6 hrs)
   - REL 4903H Honors Directed Readings
   - REL 4970H Honors Thesis

Additional Requirements

- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College
- Fulfill University requirements for Honors in the Major
- Earn a “B” (3.0) or better in both REL 4903H and REL 4970H
- Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5
- Successful completion and oral defense of Honors Thesis

7. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement

Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should meet the language requirement two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
3. Foundations
   - CGS 2100C: Fundamentals of Business (GEP)
   - or STA 2023: Statistical Methods I (GEP)
   - ECO 2013: Microeconomics (GEP)
   - or ECO 2023: Microeconomics
   - MAC 1105: College Algebra (GEP)

4. Hospitality Management Core (28 hrs)
   - HFT 2401: Hospitality Financial Accounting
   - HFT 2500: Hospitality Marketing
   - HFT 2220: Hospitality Human Resources
   - HFT 3444: Hospitality Information Systems
   - HFT 3603: Legal Environment in Hospitality
   - HFT 3431: Hospitality Managerial Accounting
   - HFT 3540: Guest Services Management
   - HFT 4464: Hospitality Industry Finance
   - HFT 4286: Hospitality Communications
   - HFT 3933: Distinguished Lectures in Hospitality Mgmt

5. Internship (3 hrs)
   - HFT 3940: Internship
   - HFT 4941: Internship
   - HFT 4944: Internship

6. Restaurant Management Core (24 hrs)
   - FSS 2212C: Corporate Culinary Profession
   - HFT 3263: Restaurant Management
   - HFT 4268: Case Studies in Restaurant Management
   - FSS 3124: Supply and Procurement Management
   - HFT 4266: Restaurant Brand Management
   - HFT 4281: Restaurant Leadership Strategies and Tactics
   - FSS 4816C: Beverage Management
   - HFT 4844: Sanitation in the Food Service Industry

7. Special College Requirements
   - Final exams will be given during Exam Week only.
   - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

8. Restricted Electives (15 hrs)
   - Choose any 5 courses from the list below for a total of 15 credit hours:
     - FSS 3232C: Intermediate Techniques of Food Production
     - FSS 4286C: Catering and Banquet Organization
     - HFT 3807: Multi-Unit Food Service Operations
     - HFT 4645: Restaurant Real Estate, Site Selection, and Modeling
     - HFT 4425: Financial Analysis for Restaurant Managers
     - HFT 3574: Foodservice Marketing, Advertising, and Promotion Management
     - HFT 4269: Case Studies in Multi-Unit Restaurant Mgmt
     - HFT 4343: Hospitality Facilities, Planning and Design
     - HFT 3654: Franchising in the Restaurant Industry
     - HFT 4281: Restaurant Leadership and Tactics
     - FSS 3008: Culture and Cuisine
     - HFT 3610: Law and Restaurant Management
     - HFT 3285: International Restaurant Corporation Management
     - HFT 4284: Training and Employee Performance in the Food Service Industry
     - HFT 3834: Topics in Restaurant & Foodservice Management
     - FSS 4135: Corporate Contract & Managed Services Orgs
     - HFT 4864: Anheuser-Busch Seminar in Quality Brewing and Fine Beer
     - HFT 4866C: Exploring Wines of the World
     - HFT 4457: Food, Beverage and Labor Cost Control
     - HFT 3868: History of Wine and Culture
     - HFT 4894: International Gourmet Gastronomy
     - HUN 3013: Nutrition in the Food Service Industry
     - HFT 4865: Advanced Wine Mgmt

9. Foreign Language Requirements (0-8 hrs)
   - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 48 hours of upper division credit completed
    - 30 semester hours of coursework completed in residency (last 30 hours) at UCF
    - A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
SCIENCE EDUCATION – BIOLOGY (B.S.)

College of Education
Department of Teaching and Learning Principles, ED 209
http://education.ucf.edu/science/
Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561,
E-mail: asweeney@pegasus.cc.ucf.edu

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.

1. Comprehension of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable).

11. Unrestricted Electives (3-11 hrs)
As necessary to result in 120 total credit hours.

Total Semester Hours Required 120 hrs

Community/Junior College Transfer Notes

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Rosen College of Hospitality Management.
- Florida Public Community College students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student $75 per term
- Part-time Student $37.50 per term

Four Year Plan of Study for B.S. Restaurant and Food Service Management*

Plan your required nine summer credit hours into your course of study.

Freshman Year

Fall 15 hrs
ENC 1101 Eng Comp I 3 hrs
Cult/Hist Foundation Sequence I 3 hrs
HFT 1000 Intro to Hosp Man 3 hrs
PSY 2012, SYG 2000, OR ANT 2000 3 hrs

Spring 15 hrs
Science Foundation I 3 hrs
HFT 2401 Hosp Fin Accr 3 hrs
HFT 2220 Hosp Hosp Res Mgmt 3 hrs

Sophomore Year

Fall 15 hrs
Science Foundation I 3 hrs
ECO 2013 or ECO 2023 3 hrs
HFT 2401 Hosp Fin Accr 3 hrs
HFT 2220 Hosp Hosp Res Mgmt 3 hrs

Spring 15 hrs
Science Foundation II 3 hrs
HFT 2401 Hosp Fin Accr 3 hrs
HFT 2220 Hosp Hosp Res Mgmt 3 hrs

Junior Year

Fall 14 hrs
HFT 3540 Guest Service 3 hrs
HFT 4266 Rest Brand Mgmt 3 hrs
HFT 3431 Hospitality Mgr Acct 3 hrs
HFT 4268 Leader Strategies 3 hrs
HFT 3400 Internship I 1 hr
HFT 3933 Dist Lect in Hosp 1 hr

Spring 15 hrs
HFT 4266 Rest Brand Mgmt 3 hrs
HFT 4268 Leader Strategies 3 hrs
HFT 4844 Internship II 1 hr
Unrestricted Electives 5 hrs

Senior Year

Fall 15 hrs
HFT 4266 Rest Brand Mgmt 3 hrs
Rest & F.S. Elective 3 hrs
Rest & F.S. Elective 3 hrs
HFT 4844 Internship II 1 hr

Spring 15 hrs
HFT 4266 Rest Brand Mgmt 3 hrs
Rest & F.S. Elective 3 hrs
Rest & F.S. Elective 3 hrs
Unrestricted Electives 5 hrs

Note: Students are advised to take the preferred courses.

1. University General Education Program (36+1 hrs)

A. Communication Foundation (9 hrs)
1. ENC 1101 English Composition I 3 hrs
2. ENC 1102 English Composition II 3 hrs
3. Prefer SPC 1008 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation (9 hrs)
1. Prefer: AMH 1100 U.S. History I 3 hrs
2. Prefer: PHI 2010 Introduction to Philosophy 3 hrs
3. Prefer: AMH 2010 U.S. History I 3 hrs

C. Mathematical Foundation (6 hrs)
1. Prefer: MGF 1106 Finite Mathematics 3 hrs
2. Prefer: STA 100C Basic Statistics using MS Excel 3 hrs

D. Social Foundation (6 hrs)
1. Prefer: POL 2041 American National Government 3 hrs
2. Prefer: PSY 2012 General Psychology 3 hrs

E. Science Foundation (6+1 hrs)
1. A grade of “C-” (1.75) is required.
2. Select: PSC 1125 Physical Science 3 hrs
3. Select: BSC 200C Biology I 4 hrs

Note: In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be met by using English as a second language.

2. Education Common Program Prerequisites (9 hrs)

- EDF 2005 Introduction to the Teaching Profession
- EDF 2085 Introduction to Diversity for Educators
- EME 2040 Introduction to Technology for Educators

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

3. Other Program Requirements (12 hrs)

- EDF 2130* Child and Adolescent Development for Educators 3 hrs
- BSC 2010C Biology I w/ Lab 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals 4 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr

4. Education Core Requirements (18 hrs)

- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Sec Settings 3 hrs
- RED 4043 Content Reading in Kindergarten thru Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

- Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading in Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
At least 80% of all required biology courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

- Passing score on the Subject Area Examination (Biology 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.oeas.ucf.edu/alc/clinical_experiences.html.

7. Internship II

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>SCE 4941 Internship II</td>
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- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

8. Foreign Language Requirements

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

9. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required

120 hrs

Consult with your departmental advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/alc/academic_learning_compackts.htm

12. Recommended Four Year Sequence of Courses

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<tr>
<td></td>
<td>ENC 1101 English Composition I 3 hrs</td>
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<td>MGF 1106 Finite Mathematics 3 hrs</td>
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<td>PSY 2012 General Psychology 3 hrs</td>
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<td>Summer 6 hrs</td>
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<td>EME 2040 Intro to Tech for Educators 3 hrs</td>
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<td>POS 2041 American National Gov 3 hrs</td>
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<table>
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<tr>
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<tr>
<td>Spring</td>
<td>EDF 2055 Intro to Diversity for Ed 16 hrs</td>
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<td></td>
<td>ENC 1102 English Composition II 3 hrs</td>
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<tr>
<td></td>
<td>PHI 2010 Intro to Philosophy 3 hrs</td>
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<tr>
<td></td>
<td>PSC 1121 Physical Science 3 hrs</td>
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<td></td>
<td>PSC 1121 Physical Science Lab 1 hr</td>
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<td>Summer 6 hrs</td>
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<tr>
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<td>EME 2040 Intro to Tech for Educators 3 hrs</td>
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<td>POS 2041 American National Gov 3 hrs</td>
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**Sophomore Year**

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<tr>
<td>Fall</td>
<td>AMH 2010 U.S. History 1492-1877 14 hrs</td>
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<td></td>
<td>HUM 2010 Cultural Anthropology 3 hrs</td>
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<td></td>
<td>ENC 1102 English Composition II 3 hrs</td>
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<tr>
<td></td>
<td>PHI 2010 Intro to Philosophy 3 hrs</td>
</tr>
<tr>
<td></td>
<td>PSC 1121 Physical Science 3 hrs</td>
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<td>SPC 1608 Fund of Oral Comm 3 hrs</td>
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**Spring**

<table>
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<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td>EDF 2055 Intro to Diversity for Ed 3 hrs</td>
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<tr>
<td>ENC 1102 English Composition II 3 hrs</td>
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</tr>
<tr>
<td>PHI 2010 Intro to Philosophy 3 hrs</td>
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<tr>
<td>PSC 1121 Physical Science 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPC 1608 Fund of Oral Comm 3 hrs</td>
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**Transfer Notes:** Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Summer**

<table>
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<tr>
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<th>Hours</th>
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<tbody>
<tr>
<td>TSL 4080 Theory &amp; Prac of Teach 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ESL20 Students in Schools 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EDF 4467 Learn Theory &amp; Asmt 14 hrs</td>
</tr>
<tr>
<td></td>
<td>EDG 4410 Teach Strat &amp; Class Mgmt 3 hrs</td>
</tr>
<tr>
<td></td>
<td>PCB 3044 Ecology 3 hrs</td>
</tr>
<tr>
<td></td>
<td>PCB 3044 Ecology Lab 1 hr</td>
</tr>
<tr>
<td></td>
<td>Fall 13 hrs</td>
</tr>
<tr>
<td></td>
<td>ESP 4242 Teaching Exceptional 3 hrs</td>
</tr>
<tr>
<td></td>
<td>Students in Secondary Settings 3 hrs</td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603 Anal &amp; Appl of Eth, Legal, &amp; Safe Issues in Sch 12 hrs</td>
<td></td>
</tr>
<tr>
<td>SCE 4941 Internship II 12 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Internship II**

- 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.

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

**Degree Requirements**

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

**SCIENCE EDUCATION - CHEMISTRY (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles, ED 209**

http://education.ucf.edu/science/

Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561, E-mail: asweeney@pegasus.cc.ucf.edu

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
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- Meet Foreign Language Admission Requirement.

**Degree Requirements**

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- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

**1. UCF General Education Program**

<table>
<thead>
<tr>
<th>Component</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Foundation</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>1. ENC 1101 English Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. ENC 1102 English Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3. Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cultural-Historical Foundation</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>1. Prefer: AMH 2010 U.S. History 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. Prefer: PHI 2010 Intro to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3. Prefer: AMH 2020 U.S. History 1877-present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Mathematical Foundation</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>1. Select: MAC 1114 College Trigonometry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
## UCF Degree Programs

### 2. Education Common Program Prerequisites (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Note:** 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.

### 3. Other Program Requirements (8 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2120*</td>
<td>Child &amp; Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
<td>GEP</td>
</tr>
<tr>
<td>PSC 1121L</td>
<td>Physical Science Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>College Trigonometry</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### 4. Education Core Requirements (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Applications of Ethical, Legal, and</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Safety Issues in Schools</td>
<td></td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Mgmt</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXE 4242</td>
<td>Teaching Exceptional Students in Sec Settings</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten thru Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.

**Note:**
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available from the Office of Clinical Experiences at [http://www.oeas.ucf.edu/clinicalxp/](http://www.oeas.ucf.edu/clinicalxp/).
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Exam (PSTCE) is required before application to Internship I.
- Students are advised to take the preferred courses.
- 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.

### 5. Internship I Block (7 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4360</td>
<td>Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SCE 3940</td>
<td>Internship I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Specialization Requirements (29 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>Analytical Chemistry Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHS 350L</td>
<td>Intro to Forensic Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 7. Internship II (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4942</td>
<td>Internship II</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### 8. Foreign Language Requirements (0-8 hrs)

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### 9. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

### 10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### 11. Total Program Semester Hours Required

**120 hrs**

Consult with your Education advisor and review your degree audit for more recent information.

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### 12. Recommended Four Year Sequence of Courses

#### Freshman Year

<table>
<thead>
<tr>
<th>Term</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>13 hrs</td>
<td>12 hrs</td>
</tr>
<tr>
<td>EDF 2005</td>
<td>Intro to the Teaching Prof</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Intro to Diversity for Ed</td>
<td>3</td>
</tr>
<tr>
<td>PSC 1112</td>
<td>Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Gov</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Term</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>14 hrs</td>
<td>13 hrs</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History 1492-1877</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Intro to Diversity for Ed</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>College Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Gov</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>Term</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16 hrs</td>
<td>14 hrs</td>
</tr>
<tr>
<td>EDF 4467</td>
<td>Learn Theory &amp; Asmt</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Sec Settings</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>Term</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>14 hrs</td>
<td>13 hrs</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History 1877-present</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Intro to Diversity for Ed</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>College Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Gov</td>
<td>3</td>
</tr>
</tbody>
</table>

*Transfer Notes: Courses taken at community colleges may substitute for selected courses in Other Program Requirements with the permission of the department.*

### 10. University Minimum Exit Requirements

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**SCIENCE EDUCATION - PHYSICS (B.S.)**

**College of Education**

Department of Teaching and Learning Principles, ED 209


*Program Coordinator: Dr. Aldrin Sweeney, ED 123L, 407-823-2561*

E-mail: asweeney@pegasus.cc.ucf.edu

---

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
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- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

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**Degree Requirements**

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

---

1. **UCF General Education Program**

   **Total: (36+1 hrs)**

   **A. Communication Foundation**
   - 1. ENC 1101 English Composition I
   - 2. ENC 1102 English Composition II
   - C. Mathematical Foundation
     - 1. Select: MAC 2311 Calculus with Analytic Geometry I
   - D. Social Foundation
     - 1. Prefer: POS 2041 American National Government
     - 2. Prefer: PSY 2012 General Psychology
   - E. Science Foundation
     - A. A grade of "C" (1.75) is required.
       - 1. Select: SPC 1121 Physical Science
       - 2. Prefer: ANT 2511 The Human Species or Species BSC 1005 Biological Principles

2. **Education Common Program Prerequisites**

   **Total: (9 hrs)**

   **Note:** Students are advised to take the preferred courses.
   - EDF 2005 Introduction to the Teaching Profession
   - EDF 2085 Introduction to Diversity for Educators
   - EM E 2040 Introduction to Technology for Educators

   **Note:** In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

---

3. **Other Program Prerequisites**

   **Total: (8 hrs)**

   **EDF 2130* Child & Adolescent Development for Educators**
   **PHY 2048 Physics for Engineers and Scientists I**
   **PHY 2048L Physics Lab for Engineers and Scientists I**
   **PSC 1121 Physical Science**
   **PSC 1121L Physical Science Lab**
   **MAC 2311 Calculus with Analytic Geometry I**

   *Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

---

4. **Education Core Requirements**

   **Total: (18 hrs)**

   **EDF 4467 Learning Theory and Assessment**
   **EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools**
   **EDG 4410 Teaching Strategies and Classroom Management**
   **EX 4242 Teaching Exceptional Students**
   **RED 4043 Content Reading K-12**
   **TSL 4080 Theory and Practice of Teaching ESL**

   *Students in Schools*

---

5. **Internship I Block**

   **Total: (7 hrs)**

   **SCE 4360 Science Instructional Analysis**
   **SCE 3940 Internship I**

---

6. **Specialization Requirements**

   **Total: (29 hrs)**

   **CHM 2045C Chemistry Fundamentals I**
   **CHM 2046 Chemistry Fundamentals II**
   **CHM 2046L Chemistry Fundamentals II Lab**
   **MAC 2312 Calculus w/Analytic Geometry II**
   **MAC 2313 Calculus w/Analytic Geometry III**
   **PHY 2049 Physics for Engineers & Scientists I**
   **PHY 2049L Physics Lab for Engineers & Scientists I**
   **PHY 3101 Physics for Engineers & Scientists II**
   **SCE 4361 Programs in Teaching Science**
   **PHY 3752C Physics of Scientific Instruments or**
   **PHY 3722C Physics Laboratory Electronics**

   *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. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.*

---

7. **Internship II**

   **Total: (12 hrs)**

   **SCE 4941 Internship II**

   *Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.*

---

8. **Foreign Language Requirements**

   **Total: (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 students admitted to the University without the required two units of foreign language in high school.)
### 12. Recommended Four Year Sequence of Courses

#### Freshman Year

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EDF 2005 Intro to the Teaching Prof</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 1101 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PSY 2012 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>STA 1090C Basic Stat using MS Excel or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>STA 2041C Principles of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>MAC 2311 Cal with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>EDF 2085 Intro to Diversity for Ed</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 1102 English Composition II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHI 2010 Intro to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td>EME 2040 Intro to Tech for Educators</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>POS 2041 American National Gov</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>AMH 2010 U.S. History 1492-1877</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 2312 Cal w/Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PSC 1121 Physical Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AN 2511 The Human Species</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BSC 1005 Biological Principles</td>
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</table>

*Transfer Notes:* Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

#### Summer

<table>
<thead>
<tr>
<th>Term</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PHY 2043 Physics for Eng &amp; Scientists I</td>
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<tr>
<td>PHY 2048L Physics Lab for Eng &amp; Sci I</td>
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#### Junior Year

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<thead>
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<tr>
<td>Fall</td>
<td>CHM 2046 Chemistry Fund II</td>
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<td>CHM 204L Chemistry Fund II Lab</td>
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<td></td>
<td>EEX 4422 Teaching Exceptional Students in Secondary Settings</td>
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<td>EDG 4410 Teach Strat &amp; Class Mgmt</td>
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<tr>
<td></td>
<td>TSL 4080 Theory &amp; Prac of Teach ESL</td>
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<td>Select one:</td>
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<td></td>
<td>PH 3795C Physics of Sci Instruments</td>
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<td>PHY 3722C Physics Lab Electronics</td>
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#### Senior Year

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<tr>
<td>Fall</td>
<td>EDF 4603 Anal &amp; Appl of Eth, Legal, &amp; Safety Issues in Sch</td>
<td>3</td>
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<tr>
<td></td>
<td>SCE 3940 Internship I</td>
<td>3</td>
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<tr>
<td></td>
<td>PHY 3752C Physics of Sci Instruments or 3</td>
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<tr>
<td>Spring</td>
<td>EDF 4603 Internship II</td>
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<td>SCE 4941 Internship II</td>
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<td>EDF 4467 Learning Theory and Assessment</td>
<td>3</td>
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<tr>
<td></td>
<td>EDF 4603 Analysis and Applications of Ethical, Legal, and Safety Issues in Schools</td>
<td>3</td>
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<tr>
<td></td>
<td>TSL 4080 Theory and Practice of Teaching ESL</td>
<td>3</td>
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<tr>
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<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
<td>3</td>
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<tr>
<td></td>
<td>RED 4043 Content Reading Kindergarten thru Grade 12</td>
<td>3</td>
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</table>
10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required: 120 hrs

Consult with your Education advisor and review your degree audit for more recent information.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

12. Recommended Sequence of Program Courses: Freshman Year

Fall 12 hrs  Spring 12 hrs
EDF 4410 Teaching Prof 3  EDF 2085 Intro to Diversity Ed 3
ENC 1101 English Composition I 3  ENC 2012 English Composition II 3
MGF 1106 Finite Mathematics 3  POS 2041 American National Gov 3
PSY 1021 General Psychology 3  Select one: ANT 2511 The Human Species or BSC 1005 Biological Principles 3

Summer 6 hrs  EME 2040 Intro to Tech for Educators 3  SPC 1608 Fund of Oral Comm 3

Sophomore Year

Fall 15 hrs  Spring 12 hrs
AMH 2010 U.S. History 1492-1877 3  AMH 2010 U.S. History 1877-present 3
ECO 2012 Microeconomics 3  ECO 2023 Macroeconomics 3
PSC 1121 Physical Science 3  EDF 2130 Child and Adolescence 3
SSE 2000 General Sociology 3  SYG 2000 General Sociology 3
STA 1060C Basic Stat using MS Excel or STA 1060C Basic Stat using MS Excel or
STA 2014C Principles of Statistics 3

*Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Summer 9 hrs  EHU 2000 Western Civilization I 3  TSL 4080 Theory & Prac of Teach ESOL 3
Students in Schools 3
Political Science Elective 3  (CPO, INR, POS 3/4XXX)

Junior Year

Fall 15 hrs  Spring 12 hrs
EDF 4467 Learn Theory & Assessm 3  SSE 4361 Soc Science Instr Anal 3
EDG 4410 Teach Strat & Class Mgmt 3  SSE 3940 Internship I 3
SSE 4936 Prog Teach Soc Science 3  SSE 3940 Internship I 3
EUH 2001 Western Civilization II 3  SPC 1608 Fund of Oral Comm 3
Upper Div Non Western History Elective (AFH, AMH, LAH 3/4XXX) 3

Summer 3 hrs  Field of Concent. Upper Level Elective 3
(AFH, AMH, ASH, CPO, INR, LAH or POS 3/4XXX)

Senior Year

Fall 12 hrs  Spring 12 hrs
EDF 4630 Anal & Appl of Eth, Legal, & Safe Issues in Sch 3  SSE 4361 Soc Science Instr Anal 3
EX 4242 Teaching Exceptional Students in Secondary Settings 3
American History Elective 3  Field of Concent. Upper Level Elective 3
(AFH, AMH, ASH, CPO, INR, LAH or POS 3/4XXX)

SOCIAL SCIENCES (B.S.)

College of Sciences
Department of Sociology, PH 403, 407-823-3744
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Contact: J. Corzine, 407-823-3744

The Social Sciences program offers students an opportunity to become acquainted with the various fields of the Social Sciences and to better understand the relationships among those fields. Satisfactory completion of the program leads to the degree Bachelor of Science with a major in Social Sciences. The program is administered through the Department of Sociology in the College of Sciences.

Admission Requirements: none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
UCF Degree Programs

- Students must declare a Social Sciences major prior to their senior year.
- Students should consult with a Sociology advisor when entering the program.
- Co-op and internship credit cannot be used in this major.
- Independent study forms must be approved by the department prior to taking an independent study for use in the Restricted Elective areas. Non-approved independent studies will not be counted towards the major.
- Students must earn at least a “C” (2.0) in each core requirement and restricted elective course.
- Residency Requirement: Students must complete at least 30 hours of regularly scheduled 3000-4000 level courses that are used in the major at UCF.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations 3 hrs
   D. Social Foundations 3 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites (0 hrs)
   ECO 2013 or POS 2041
   ANT 2000 or PSY 2012 or SYG 2000
   *See Transfer Notes
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core requirements (3 hrs)
   STA 1060C or STA 2014C or STA 2023
   Select one course
   POS 3703 or POS 3213C or SYA 3400C
   General Anthropology
   Research Methods in Psychology
   Research Methods (Sociology)

4. Restricted Electives (60 hrs)
   Select a minimum of 15 semester hours in each of the following six Social Science disciplines:
   A. Communication
   B. Economics
   C. Political Science
   D. Psychology
   E. Public Affairs
   F. Sociology/Anthropology

5. Departmental Exit Requirements
   - Maintain a minimum GPA of 2.0 in each of four Social Science disciplines
   - Computer Competency is met by the major
   - Before applying to graduate, the CLAST must be completely satisfied.

6. Foreign Language Requirements (0-8 hrs)
   Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation: Proficiency equivalent to one year of college instruction in either a foreign language, three semesters equivalent of American Sign Language, or one course with a multicultural dimension.
   Standardized examinations may be used to meet the requirement.

7. Electives (variable)
   Select primarily from upper level courses, with a Sociology advisor’s approval.

8. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Anthropology, Liberal Arts, Political Science, Public Administration, Psychology, Sociology

Transfer Notes:
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

SPECIAL STANDARDS
- 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.

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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, the CLAST and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students should consult with a school advisor
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of “C” (2.0) in each course.
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 Part time) and to be eligible for graduation from the Social Work Program
- Students must complete all the requirements listed in 1-11 below

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     Prefer SPC 1608
     9 hrs
   - B. Cultural Historical Foundations
     9 hrs
   - C. Mathematical Foundations
     Select MGF 1106 Finite Math or MGF 1107
     6 hrs
     Select STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
   - D. Social Foundations
     6 hrs
     1. Select POS 2041
     2. Select PSY 2012
   - E. Science Foundations
     Select BSC 1005 or AST 2002
     6 hrs
   - See Transfer Notes

2. Common Program Prerequisites* (15 hrs)
   - POS 2041  American Government GEP
   - BSC 1005  Biology GEP
   - ECO 2013 or Macroeconomics or 3 hrs
   - ECO 2023  Microeconomics
   - PSY 2012  Psychology GEP
   - SYG 2000  Sociology 3 hrs
   *See Transfer Notes

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (45 hrs)
   - SOW 3104  Assessing I: Human Development 3 hrs
   - SOW 3203  Social Work and Community Resources 3 hrs
   - SOW 3300  Practice I: Generalist Practice in Social Work 3 hrs
   - SOW 3111  Assessing II: Human Systems 3 hrs
   - SOW 3352  Practice II: Interpersonal Skills in Social Work Practice 3 hrs
   - SOW 3401  Social Work Research 3 hrs
   - SOW 3620  Social Work with Diverse Populations 3 hrs
   - SOW 4730  Documentation in Social Work Practice and Service Programs 3 hrs
   - SOW 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 4510 or Field Education (for full-time students) or 9 hrs
   - SOW 4941 or Field Education (for part-time students over two semesters)
   - SOW 4522  Field Education Seminar 3 hrs
   - See UCF programs

4. Required Social Work Elective
   3 hrs

5. Required Principles of Statistics
   3 hrs

6. Electives (variable)

7. Foreign Language or Cultural Diversity Requirement
   Choose two of the following suggested courses: ANT 4332, ANT 3363, ANT 2410, ANT 3640, ASH 4404, ASH 4442, CPO 4303, HUM 3401, HUM 3417, HUM 3419, JST 3401, JST 3402, JST 3820, LAH 3130, LAH 3200, LAH 3400, LAH 3470, AMH 3561, AMH 3571, AMH 3586, ANT 3302, ANT 3311, ANT 3313, SOP 3724, SOP 3742, ASL 3444, SYD 3700, EDF 2085, HSC 3593, or see advisor for more options.

8. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

9. Departmental Exit Requirements (120 hrs)
   A minimum overall GPA of 2.5 in all social work courses with a minimum grade of “C” (2.0) or higher in each social work course.

10. University Minimum Exit Requirements
   - A UCF GPA of 2.0
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Honors in the Major Requirements
1. Complete a three-credit directed reading course/or a three-credit COHPA interdisciplinary Honor course.
2. Complete a three-credit thesis course.
3. Earn a 3.5 GPA in your Social Work major.
4. Earn a cumulative 3.2 GPA in your total UCF courses.
5. Complete 60 hours of college credit, including 12 upper division hours at UCF.

Transfer Notes:
Community College Equivalent courses for prerequisites: any course in the following areas (3 hrs each):
American Government or American National Government Biology (Human Biology or Anatomy and Physiology)
Economics (Microeconomics or Macroeconomics)
Introductory Psychology
Introductory Sociology
Principles of Statistics

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Tentative Course Schedule for Entering Freshmen

Freshman Year

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<th>Course</th>
<th>Freshman Year</th>
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<tr>
<td>ENC 1101</td>
<td>14 hrs</td>
<td>ENC 1102</td>
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<tr>
<td>BSC 1005</td>
<td>3 hrs</td>
<td>MGF 1106</td>
<td>3 hrs</td>
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<td>SYG 2000 or PSY 2012</td>
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<td>PSY 2012 or SYG 2000</td>
<td>3 hrs</td>
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<tr>
<td>STA2014C</td>
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<td>MUL 2010 or THE 2000</td>
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<tr>
<td>PAF 2102</td>
<td>2 hrs</td>
<td>or REL 2300 or PHI 2100</td>
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<tr>
<td>POS 2041</td>
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Sophomore Year

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<th>Summer</th>
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<tr>
<td>ECO 2013 or ECO 2023</td>
<td>15/16 hrs</td>
<td>Foreign Lang II or</td>
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<td>EUH 2000 or WOH 2012 or</td>
<td>3 hrs</td>
<td>Cult. Diversity</td>
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<tr>
<td>HUM 2210 or AMH 2010</td>
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<td>CHM 1020 or PSC 1121 or</td>
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<tr>
<td>SPC 1608</td>
<td>3 hrs</td>
<td>AST 2002</td>
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<td>SOW 2020</td>
<td>3 hrs</td>
<td>Elective</td>
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<tr>
<td>Foreign Lang I or Cult. Diversity</td>
<td>3/4</td>
<td>EUH 2001 or HUM 2230 or AMH 2020</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
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</tr>
</tbody>
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SOCIETY (B.A.)

College of Sciences
Department of Sociology, PH 403, 407-823-3744
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu
Contact: J. Corzine, 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students' social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentation skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

Admission Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.

Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.

Students must have a "C" (2.0) or higher in all core courses.

Co-op credit cannot be used in this major.

Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.

No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 6907, 4912, 5917, 3940, 4941) credit may be used for the major.

Students should consult annually with a departmental advisor.

Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
   B. Cultural and Historical Foundations (9 hrs)
   C. Mathematical Foundations
      1. Prefer MAC 1105 (or higher) (3 hrs)
      2. Prefer STA 2014C (3 hrs)
   D. Social Foundations
      1. Select a listed course (3 hrs)
      2. Select SYG 2000 (3 hrs)
   E. Science Foundations (6 hrs)

2. Common Program Prerequisites (3 hrs)
   SYG 2000* General Sociology
   SYA 3400C Applied Social Statistics
   SYA 4300C Research Methods
   SYA 4450 Data Analysis
   SYA 3110 Social Theory

3. Core requirements (15 hrs)
   SYG 2000 General Sociology
   SYA 3400C Applied Social Statistics
   SYA 4300C Research Methods
   SYA 4450 Data Analysis
   SYA 3110 Social Theory

4. Restricted Electives (27 hrs)
   Select from the following:
   SYA 3120 Modern Sociological Thought
   SYA 4650C Applied Sociology
   SYA 5625 Proseminar
   SYA 5937 Advanced Population
   SYA 3410 Urban Sociology
   SYA 3700 Race & Ethnic Minorities in the US
   SYA 3800 Sex Roles in Modern Society
   SYA 4700 Population
   SYA 4810 Environmental Sociology
   SYA 4810 Women in Contemporary Society
   SYA 4815 Women and Social Policy
   SYA 3910 Social Problems
   SYA 3900 Modern Sociology
   SYA 3930 Social Organization & Human Relations
   SYA 3940 Sociology of Mental Illness
   SYA 3950 Social Stratification
   SYA 4100 Family Trends
   SYA 4200 Sociology of Religion
   SYA 4250 Sociology of Education
   SYA 4300 Political Sociology
   SYA 4400 Medical Sociology
   SYA 3300 Collective Behavior
   SYA 3400 Social Change

5. Departmental Exit Requirements
   A. A minimum GPA of 2.0 in all courses used for the major.
   B. A minimum grade of "C" (2.0) in all core courses.
   C. Computer Competency met by SYA 4450.
   D. Students will be required to take a standard exit exam in their graduating semester.

UCF Degree Programs

Summer
- SOW 3401 or SOW 3300 or
- SOW 3620
- SOW elective

Junior Year
Fall
- SOW 3104
- SOW 3303
- SOW 3303
- SOW 3401
- SOW elective
- STA2014C or elective

Spring
- SOW 4232
- SOW 4343
- SOW elective

Senior Year
Fall
- SOW 4232
- SOW 4343
- SOW 4730
- Elective

Spring
- SOW 4510 or
- SOW 4522

E. Science Foundations (6 hrs)

2. Common Program Prerequisites (3 hrs)

SYG 2000* General Sociology
SYA 3400C Applied Social Statistics
SYA 4300C Research Methods
SYA 4450 Data Analysis
SYA 3110 Social Theory

3. Core requirements (15 hrs)

SYG 2000 General Sociology
SYA 3400C Applied Social Statistics
SYA 4300C Research Methods
SYA 4450 Data Analysis
SYA 3110 Social Theory

4. Restricted Electives (27 hrs)

Select from the following:

SYA 3120 Modern Sociological Thought
SYA 4650C Applied Sociology
SYA 5625 Proseminar
SYA 5937 Advanced Population
SYA 3410 Urban Sociology
SYA 3700 Race & Ethnic Minorities in the US
SYA 3800 Sex Roles in Modern Society
SYA 4700 Population
SYA 4810 Environmental Sociology
SYA 4810 Women in Contemporary Society
SYA 4815 Women and Social Policy
SYA 3910 Social Problems
SYA 3900 Modern Sociology
SYA 3930 Social Organization & Human Relations
SYA 3940 Sociology of Mental Illness
SYA 3950 Social Stratification
SYA 4100 Family Trends
SYA 4200 Sociology of Religion
SYA 4250 Sociology of Education
SYA 4300 Political Sociology
SYA 4400 Medical Sociology
SYA 3300 Collective Behavior
SYA 3400 Social Change

5. Departmental Exit Requirements

- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of "C" (2.0) in all core courses.
- Computer Competency met by SYA 4450.
- Students will be required to take a standard exit exam in their graduating semester.

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6. Foreign Language Requirements  
(0-8 hrs)

**Admission:** Met by graduation requirement.

**Graduation:** Proficiency equivalent to one year of college instruction in either a foreign language, or three semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

7. Electives  
(variable)
Select primarily from upper level courses, with departmental advisor’s approval. These courses may be outside of the department.

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

| Total Semester Hours Required | 120 hrs |

**Related Minors:** Anthropology, Criminal Justice  
**Related Minors:** African-American Studies, American Studies, Anthropology, Anthropology in Multicultural Studies, Asian Studies, Canadian Studies, Judaic Studies, Latin American Studies, Russian Area Studies, Sociology, and Women’s Studies

**Transfer Notes:**
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).
- SYG 2000*: although the CPP accepts any lower division sociology course, students should realize that SYG 2000 is a prerequisite for subsequent courses.

**Program Academic Learning Compacts**  
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fee**
- Full-time Student: $15 per term
- Part-time Student: $7.50 per term

**Suggested Plan of Study:**
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

**Summer**
Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

| Freshman Year | Fall | ENC 1101 Composition I 3 | ENC 1102 Composition II 3 |
|               | Spring | MAC 1105* req# 1C1-GEP 3 | STA 204C Print of Statistics 3 |
|               | SYG 2000 General Sociology 3 | SYG 2010 Social Problems 3 |
|               | POS 2041* req# 1D1-GEP 3 | Elective* Check restrictions 3 |

| Sophomore Year | Fall | ANT 2511* req# 1E2-GEP 3 | COM 1000* req# 1A3-GEP 3 |
|               | Spring | EUH 2001* req# 1B1-GEP 3 | REL 2300* req# 1B2-GEP 3 |
|               | SYD 3700* req# 4-ResElect 3 | SYD 3410* req# 4-ResElect 3 |
|               | Elective* Check restrictions 3 | Elective* Check restrictions 3 |

| Junior Year | Fall | PSC 1121* req# 1E1-GEP 3 | PHI 2010* req# 1B3-GEP 3 |
|            | Spring | SYA 4300C Res Methods 4 | SYA 3110 The Dev of Soc Tht 3 |
|            |        | SYD 3410* req# 4-ResElect 3 | SYA 4450 Data Analysis 4 |
|            |        | SYA 3400C Res Meth & Stat 4 | SYA 4100* req# 4-ResElect 3 |

| Senior Year | Fall | SYA 3120* req# 4-ResElect 3 | SYP 3520* req# 4-ResElect 3 |
|            | Spring | SYO 3530* req# 4-ResElect 3 | SYP 4000* req# 4-ResElect 3 |
|            |        | Elective* Check restrictions 3 | Elective* Check restrictions 3 |

**SPANISH (B.A.)**  
**College of Arts and Humanities**  
**Department of Modern Languages & Literatures**  
**CNH 523**  
http://mill.cah.ucf.edu/  
E-Mail: forlang@mail.ucf.edu  
Contact: P. Giordano, 407-823-2472

**Admission Requirements**
- none

**Placement in Language courses**
- Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year.
- Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

**Degree Requirements**
Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in Spanish must be taken at the 3000 level or above
- At least 6 of the 36 Spanish credits must be at the 4000 level
- At least 30 hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a “C” (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. **UCF General Education Program**  
(36 hrs)

| A. Communication Foundations | 9 hrs |
| B. Cultural and Historical Foundations | 9 hrs |
| C. Mathematical Foundations | 6 hrs |
| Prefer MGF 1106 Finite Mathematics or MGF 1107 (may substitute a higher level math) | 3 hrs |
| Prefer STA 1060C Statistics Using Excel | 3 hrs |
| D. Social Foundations | 6 hrs |
| E. Science Foundations | 6 hrs |

2. **Common Program Prerequisites**  
(0-14 hrs)

| SPN 1120C* | Elem Spanish Lang & Civ I | 4 hrs |
| SPN 1121C* | Elem Spanish Lang & Civ II | 4 hrs |
| SPN 2200* | Intern Spanish Lang & Civ I | 3 hrs |
| SPN 3234 | Advanced Directed Readings | 3 hrs |
| *May be met by proficiency test or completion of SPN 3234 |

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. **Core requirements**  
(15 hrs)

| SPN 3300* | Adv Spanish Gram and Comp | 3 hrs |
| SPN 3420* | Spanish Composition | 3 hrs |
| SPN 3760* | Adv Spanish Oral Comm | 3 hrs |
| SPW 3100 & 3101 | Survey of Spanish Literature | 6 hrs |
| SPW 3130 & 3131 | Survey of Latin-American Literature | |

*A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.
4. Upper Division Restricted Electives (21 hrs)
   a. Select one of the following
      FOL 3730 Romance Philology
      SPN 4801 Spanish Morphosyntax
      SPN 4800 Spanish American Syntax
      SPN 4780 Spanish Phonetics
      SPN 3852 Bilinguismo
   d. Spanish courses
      SPN 4520 Latin American Civ & Culture (taught in Spanish)
      SPN 4510 Spanish Civ & Culture
      b. Spanish literature beyond the survey level 6 hrs
         SPN 3852 Bilinguismo
         SPN 4780 Spanish Phonetics
         SPN 4800 Spanish American Syntax
         SPN 4801 Spanish Morphosyntax
         FOL 3730 Romance Philology
      a. Select one of the following 3 hrs
         UCF Degree Programs
         Related Programs:
      Total Semester Hours Required 120 hrs

5. Departmental Exit Requirements
   - Earn a grade of "C" (2.0) or higher in at least 36 hours of upper division Spanish courses
   - Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.
   - Computer Competency met by CGS 1060C or equivalent

6. Foreign Language Requirements (0-16 hrs)
   Admission: Met by Graduation requirements.
   Graduation: Met by Common Program Prerequisites.

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: French, Modern Language Combination
Related Minors: French, Italian, Judaic Studies, Latin American Studies, Spanish

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level composition and conversation courses.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
   Fall
      ANT 2005 req# 1D2-GEP 3
      ENC 1101 Composition I 3
      MGF 1106 req# 1C1-GEP 3
      SPN 1120C* req# 2-CPP 3
   Spring
      ENC 1102 Composition II 3
      STA 1060C* req# 1C2-GEP 3
      SPN 1121C* req# 2-CPP 3
      Elective* Check restrictions 4

Sophomore Year
   Fall
      AMH 2010* req# 1B1-GEP 3
      ARH 2050* req# 1B2-GEP 3
      POS 2041* req# 1D1-GEP 3
   Spring
      BSC 1005* req# 1E2-GEP 3
      MUL 1010* req# 1B2-GEP 3
      COM 1000* req# 1A3-GEP 3

PSC 1121* req# 1E1-GEP 3
SPN 2200* req# 2-CPP 3
SPN 5705* req# 4d-ResElec 3
SPN 4520* req# 4c-ResElec 3
SPN 3300 Adv Spa Gram Comp
SPN 3234 * req# 2-CPP 3
SPN 2040* req# 1B1-GEP 3
SPW 3100* req# 3-Core 3
SPW 3101* req# 3-Core 3
SPW 4381* req# 4b-ResElec 3
SPW 4382* req# 4b-ResElec 3
SPW 4410* req# 4d-ResElec 3
SPW 4411* req# 4d-ResElec 3
SPW 4381* req# 4b-ResElec 3
SPW 4410* req# 4d-ResElec 3
SPW 4411* req# 4d-ResElec 3

SPORTS AND FITNESS (B.S.)
College of Education
Department of Child, Family and Community Sciences
ED 209
http://pegasus.cc.ucf.edu/~sportfit/
Program Coordinator: Dr. Debby Mitchell, ED 320H;
E-mail: Mitchell@mail.ucf.edu

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.0 overall GPA.
- Meet the University CLAST or CLAST alternative criteria.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements
- Students should consult with an advisor on a regular basis. The courses designated in 1. (General Education), 2. (Sports and Fitness Lower Division), and 3. (Lower Division Electives) should be completed prior to admission to the major and upper division courses.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a "C-" (1.75) in each required course and maintain an overall GPA of at least a 2.0.
- Prior to participation in Sports and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.
- Students must meet with their advisor prior to enrollment in Sports and Fitness Practicum I and Practicum II to complete departmental application and approval process of the organization with which they will be working.

1. UCF General Education Program (36+1 hrs)
   A. Communication Foundation (9 hrs)
      1. ENC 1101 English Composition I 3 hrs
      2. ENC 1102 English Composition II 3 hrs
      3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundation (9 hrs)
      1. Prefer: AMH 2010 U.S. History 1492-1877 3 hrs
      2. Elective from GEP section B 3 hrs
      3. Prefer: AMH 2020 U.S. History 1877-present 3 hrs
   C. Mathematical Foundation (6 hrs)
      1. Prefer: MGF 1106 Finite Mathematics or MGF 1107 3 hrs
      2. Prefer: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs
   D. Social Foundation (6 hrs)
      1. Prefer: POS 2041 American National Government 3 hrs
      2. Prefer: PSY 2012 General Psychology 3 hrs
   E. Science Foundation (7 hrs)
      1. Prefer: PSC 1121 Physical Science 3 hrs
      2. Select: BSC 2010C Biology I 4 hrs

2009-2010 Undergraduate Catalog
2. Lower Division Electives (13 hrs)
 Students may select other electives but are advised to take the following courses to improve their preparation for their specialization. (Choose courses with prefixes: PEL, PEM, PEO, PET, DAE, HFT, EEX, EDF, EDG, HSC, HUN, CHM)

3. Sports and Fitness Pre-requisite Courses (3 hrs)
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs

Note: Students who transfer from another institution may be permitted to take the prerequisite course, PET 3137-Concepts and Practices, concurrently with the remaining core classes in their first term of enrollment in the Sports and Fitness program.

4. Sports and Fitness Co-requisite Courses (7 hrs)
PET 2622C Human Injuries 3 hrs
ZOO 3736C Exercise Physiology Anatomy 4 hrs

5. Sports & Fitness Core (9 hrs)
SPM 3504 Fiscal and Facilities Issues in Sports and Fitness 3 hrs
PET 4401 Administration & Evaluation in Physical Education 3 hrs
SPM 4723 Legal Issues in Sports and Fitness 3 hrs

6. Specialization (33 hrs)
Select one Specialization and Electives – approved by advisor

Coaching
PET 3765 Coaching Theory 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4312 Biomechanics 3 hrs
PET 4763 Coaching Methods and Principles 3 hrs
SPM 3904 Sports and Ethics 3 hrs
SPM 3415 Public Relations in Sports and Fitness 3 hrs

Select twelve hours of electives (as approved by Advisor) 12 hrs

Physical Activity & Movement for Children
DAE 3370 Dance and Rhythms 3 hrs
PEO 3041 Games Analysis 3 hrs
PET 3820 Teaching Sports Skills I 3 hrs
PET 4050C Motor Development and Learning 3 hrs
PET 4312 Biomechanics 3 hrs
PET 4351C Applied Exercise and Human Physiology 3 hrs
PET 4550 Fitness Assessment 3 hrs
PET 4550 Assessment 3 hrs
PET 4625 Human Injuries - Mechanisms and Prevention 3 hrs

Select twelve hours of electives (as approved by Advisor) 12 hrs

7. Sports & Fitness Practica (18 hrs)
PET 4925 Sports and Fitness Practicum I 6 hrs
PET 4926 Sports and Fitness Practicum II 12 hrs

During the final year of the program, students will complete Practicum requirements with a Sports or Fitness organization. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization.

In both Practicum I and Practicum II, the student will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status. The Sports and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organizations. Students will have the option to arrange their own practicum experience if they so choose. In either case, before enrolling in either Practicum I or Practicum II, students must meet with their advisor to provide organization contact information and gain Practicum Placement Approval.

The students will be instructed that they will be representing not only themselves while on site during their Practicum experiences, but also the University of Central Florida and the Sports and Fitness Program. Professionalism in manner, dress and job performance will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their University Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action will be developed. If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

8. Foreign Language (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

9. Exit Requirements
- A minimum overall GPA of 2.5.
- 48 semester hours of upper division credit completed.
- 30 semester hours in regular courses completed at UCF.
- Complete three Specialization Certifications.
- Participation in event operations of a minimum of one major sports and fitness event.
- Successful completion of 18 hours of Practicum Experiences.

10. Total Program Semester Hours Required 120 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

11. Recommended Four-Year Sequence of Courses

Freshman Year
Fall 12 hrs
PSV 2012 General Psychology 3 hrs
PSY 2012 General Psychology 3 hrs
ENC 1101 English Composition I 3 hrs
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
PET 3361 Nutrition for Sports and Fitness 3 hrs
PET 3765 Coaching Theory 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4312 Biomechanics 3 hrs
PET 4351C Applied Exercise and Human Physiology 3 hrs
PET 4550 Fitness Assessment 3 hrs
PET 4625 Human Injuries - Mechanisms and Prevention 3 hrs

Select twelve hours of electives (as approved by Advisor) 12 hrs

Spring 16 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4312 Biomechanics 3 hrs
PET 4351C Applied Exercise and Human Physiology 3 hrs
PET 4550 Fitness Assessment 3 hrs
PET 4625 Human Injuries - Mechanisms and Prevention 3 hrs

Select twelve hours of electives (as approved by Advisor) 12 hrs

Sophomore Year
Fall 14 hrs
PET 3361 Nutrition for Sports and Fitness 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4312 Biomechanics 3 hrs
PET 4351C Applied Exercise and Human Physiology 3 hrs
PET 4550 Fitness Assessment 3 hrs
PET 4625 Human Injuries - Mechanisms and Prevention 3 hrs

Select twelve hours of electives (as approved by Advisor) 12 hrs

Spring 15 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4312 Biomechanics 3 hrs
PET 4351C Applied Exercise and Human Physiology 3 hrs
PET 4550 Fitness Assessment 3 hrs
PET 4625 Human Injuries - Mechanisms and Prevention 3 hrs

Select twelve hours of electives (as approved by Advisor) 12 hrs

Recreation
PEO 3041 Games Analysis 3 hrs
PET 3765 Coaching Theory 3 hrs
PET 3771 Fitness and Conditioning Concepts 3 hrs
PET 3820 Teaching Sports Skills I 3 hrs

Select nine hours of electives (as approved by Advisor) 9 hrs

Students must complete three certifications approved by advisor prior to graduation (these certifications will be determined in PET 3137-Concepts and Practices in Sports and Fitness course).

UCF Degree Programs
259
## UCF Degree Programs

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### STATISTICS (B.S.)

**College of Sciences**

**Department of Statistics and Actuarial Science**

CC II 212, 407-823-2289

http://www.cos.ucf.edu/statistics

E-mail: statistics@ucf.edu

Contact: Xiaogang Su, 407-823-2940

**Admission Requirements**

- **none**

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- All statistics courses except STA 2023, STA 3032, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics and Actuarial Science Department.
- Students must earn at least a “C” (2.0) in each STA course.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program** *(36 +3 hrs)*

   **Note:** Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

   **A. Communication Foundations**
   - 9 hrs

   **B. Cultural and Historical Foundations**
   - 9 hrs

   **C. Mathematical Foundations**
   - 7 hrs
   - Select STA 2023

   **D. Social Foundations**
   - 6 hrs

   **E. Science Foundations**
   - 8 hrs
   - Select PHY 2053C or CHM 2045C
   - Select BSC 2010C
   - *CHM 2040C plus CHM 2041C can substitute for CHM 2045C

2. **Common Program Prerequisites** *(7 hrs)*

   **COP 2502C**
   - Computer Science I
   - 3 hrs

   **MAC 2311**
   - Calculus with Analy Geo I
   - GEP

   **MAC 2312**
   - Calculus with Analy Geo II
   - 4 hrs

   **BSC 2010C**
   - Biology I
   - GEP

3. **Core requirements** *(51 hrs)*

   **STA 2023**
   - Statistical Methods I
   - GEP

   **STA 4102**
   - Computer Process of Stat Data
   - 3 hrs

   **STA 4163**
   - Statistical Methods II
   - 3 hrs

   **STA 4164**
   - Statistical Methods III
   - 3 hrs

   **STA 4321**
   - Statistical Theory I
   - 3 hrs

   **STA 4322**
   - Statistical Theory II
   - 3 hrs

   **COT 4500**
   - Numerical Calculus
   - 3 hrs

   **MAC 2313**
   - Calculus with Analy Geo III
   - 4 hrs

   **ENC 3241**
   - Writing for the Tech Professional
   - 3 hrs

   **CHM 2045C or PHY 2053C**
   - GEP

   **COP 3223**
   - Intro to Programming in C*
   - 3 hrs

   ***May substitute an approved programming language course**

   **a. Select one course**
   - MAS 3106
   - Linear Algebra

   **b. Select one course**
   - MAS 3105
   - Linear and Matrix Algebra

   **c. Select three from among the following:**
   - 9 hrs
   - STA 3096
   - Statistical Graphics

   **d. Select a third science course and associated lab**
   - 4 hrs
   - BSC 2011C
   - Biology II (PR: BSC 2010C)

   **4. Restricted Electives** *(6 hrs)*

   - Select from upper division or graduate statistics (e.g., STA 5205, STA 5025), mathematics, or computer science courses.

   - Selected courses in engineering or business may be used but must first be approved by the Statistics and Actuarial Science Department.

   - The following cannot be used: MAC 2233, MAC 2253, MAC 2254, all MAE courses, and MHF 4404

5. **Departmental Exit Requirements**

   - Earn a grade of “C” (2.0) or better in each STA course.

   - Take SOA Exam P (Probability) and report the score to the department.

   - Computer Competency met by STA 4102.

   - Before applying to graduate, the CLAST must be completely satisfied.

6. **Foreign Language Requirements** *(0-8 hrs)*

   **Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   **Graduation:**

   - **none**

7. **Electives** *(variable)*

   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. **University Minimum Exit Requirements**

   - A 2.0 UCF GPA

   - 60 semester hours earned after CLEP awarded

   - 48 semester hours of upper division credit completed (Note: Statistics majors may count MAC 2313 as upper division credit.)

   - 30 of the last 36 hours of course work must be completed in residency at UCF

   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

9. **Total Semester Hours Required**

   - **120 hrs**

10. **Related Programs:** Mathematics, Mathematics Education, Actuarial Science Track

11. **Related Minors:** Statistics, Mathematics

12. **Transfer Notes:**

   - Lower division courses taken at community colleges do not substitute for Upper Division courses.

   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

13. **Acceptable Substitutes:** for common program prerequisites if taken prior to transferring to UCF:
This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor's degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

1. UCF General Education Program*  
A. Communication Foundation  
1. ENC 1101 English Composition I 3 hrs  
2. ENC 1102 English Composition II 3 hrs  
3. Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundation  
9 hrs

C. Mathematical Foundation  
6 hrs

D. Social Foundation  
6 hrs

E. Science Foundation  
6 hrs

2. Common Program Prerequisites  
EDF 2005 Introduction to the Teaching Profession 3 hrs  
EDF 2085 Introduction to Diversity for Educators 3 hrs  
EME 2040 Introduction to Technology for Educators 3 hrs  
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Program Core Requirements  
(27 hrs)  
EVT 3385 Gen Method/Test Eval 3 hrs  
EVT 3062 Professional Role Voc Ed Teacher 3 hrs  
EVT 3502 Special Needs Voc Ed Students 3 hrs  
EVT 4065 PinighPrac Technical Ed 3 hrs  
EVT 4368 Adv Teach/Techniques in Voc Ed 3 hrs  
EVT 3367 Eval Vocation Training 3 hrs  
EVT 4169 Curr Dev of Ind Training 3 hrs  
ADE 4382 Teaching Adult Learners 3 hrs  
Select one:  
EVT 3312 Course Const Health Occ Ed or 3 hrs  
EVT 3371 Course Const Industrial Ed or  
STE 4410 Course Const Business Ed

4. Technical Specialization Requirements  
(30 hrs)  
Students must complete an area of specialization through one of the following routes:  
Occupation-specific courses  
Recognized occupational license/registration/certification  
Occupational examination  
Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit.  
Appropriate documentation must be provided to advisor before this will be submitted for credit.

5. Upper Division Electives  
(6 hrs)  
(with advisor's approval)

6. Directed Field Experience  
(12 hrs)  
The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

7. Foreign Language Requirements  
(0-8 hrs)  
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

8. Departmental Exit Requirements*  
Achieve a minimum 2.5 GPA in all courses within the major.

9. University Minimum Exit Requirements  
A. 2.0 UCF GPA  
B. 60 semester hours earned after CLEP awarded  
C. 48 semester hours of upper division credit completed  
D. 30 of the last 36 hours of course work must be completed in residency at UCF  
E. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Suggested Plan of Study:  
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer  
Take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year  
Fall  
BSC 2010C Biology I 4  
ENC 1101 Composition I 4  
MAC 2311 Calc Anal Geo I 4  
MUL 2010* req# 1B2-GEP 3  
Spring  
AMH 2010* req# 1B3-GEP 3  
ARH 2050* req# 1B1-GEP 3  
PST 2041* req# 1D2-GEP 3  
MAC 2313 Calc Anal Geo III 4  
STA 4163 Stat Methods II 3

Sophomore Year  
Fall  
COP 3502C Computer Science I 3  
STAT 2023 Stat Methods I 3  
MATH 3105* req# 3a-Core 3  
STA 4163 Stat Methods II 3  
Spring  
AMH 2010* req# 1B1-GEP 3  
ARH 2050* req# 1B3-GEP 3  
PST 2041* req# 1D2-GEP 3  
MAC 2313 Calc Anal Geo III 4  
STA 4163 Stat Methods II 3

Junior Year  
Fall  
COP 3502C Computer Science I 3  
STAT 2023 Stat Methods I 3  
MATH 3105* req# 3a-Core 3  
STA 4664* req# 3c-Core 3  
STA 4183* req# 4-ResEle 3  
Senior Year  
Fall  
COP 4500 Numerical Calculus 3  
STAT 4120 Comp Anal Stat 3  
STA 4528 Stat Methods II 3  
Elective* Check restrictions 3  
Take SOA EXAM  
Spring  
COP 4500 Numerical Calculus 3  
PSY 2012* req# 1D2-GEP 3

EVT 3385 Gen Method/Test Eval 3 hrs  
EVT 3062 Professional Role Voc Ed Teacher 3 hrs  
EVT 3502 Special Needs Voc Ed Students 3 hrs  
EVT 4065 PinighPrac Technical Ed 3 hrs  
EVT 4368 Adv Teach/Techniques in Voc Ed 3 hrs  
EVT 3367 Eval Vocation Training 3 hrs  
EVT 4169 Curr Dev of Ind Training 3 hrs  
ADE 4382 Teaching Adult Learners 3 hrs  
Select one:  
EVT 3312 Course Const Health Occ Ed or 3 hrs  
EVT 3371 Course Const Industrial Ed or  
STE 4410 Course Const Business Ed

Teaching Adult Learners 3 hrs

4. Technical Specialization Requirements  
(30 hrs)  
Students must complete an area of specialization through one of the following routes:  
Occupation-specific courses  
Recognized occupational license/registration/certification  
Occupational examination  
Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit.  
Appropriate documentation must be provided to advisor before this will be submitted for credit.

5. Upper Division Electives  
(6 hrs)  
(with advisor's approval)

6. Directed Field Experience  
(12 hrs)  
The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

7. Foreign Language Requirements  
(0-8 hrs)  
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

8. Departmental Exit Requirements*  
Achieve a minimum 2.5 GPA in all courses within the major.

9. University Minimum Exit Requirements  
A. 2.0 UCF GPA  
B. 60 semester hours earned after CLEP awarded  
C. 48 semester hours of upper division credit completed  
D. 30 of the last 36 hours of course work must be completed in residency at UCF  
E. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
UCF Degree Programs

10. Total Program Semester Hours Required: 120 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

11. Recommended Sequence of Program Courses:
Freshman Year
- Fall 15 hrs Spring 15 hrs
  - ENC 1101 English Composition I 3
  - ENC 1102 English Composition II 3
  - MGF 1106 Finite Mathematics 3
  - SPC 1609 Fund of Oral Comm 3
  - Cultural-Historical Foundations Course 3
  - STA 1060C Basic Stat MS Excel or 3
  - STA 2014C Principles of Statistics 3
- Summer 6 hrs
  - EVT 3502 Special Needs Voc Ed Studen 3
  - Select one: 3
  - EVT 3312 Course Const Health Occ Ed or
  - EVT 3371 Course Const Industrial Ed

Sophomore Year
- Fall 12 or 16 hrs Spring 12 or 16 hrs
  - EDF 2005 Intro to the Teaching Prof 3
  - EME 2040 Intro to Tech for Educators 3
  - Science Foundations Course 3
  - Technical Specialization Course 3
  - Foreign Lang Course (if needed) 4
- Summer 6 hrs
  - EVT 3502 Special Needs Voc Ed Studen 3
  - Select one: 3
  - EVT 3312 Course Const Health Occ Ed or
  - EVT 3371 Course Const Industrial Ed

Junior Year
- Fall 15 hrs Spring 15 hrs
  - EVT 3365 Gen Method/Test Eval 3
  - Technical Specialization Course 3
  - Technical Specialization Course 3
  - Technical Specialization Course 3
  - Technical Specialization Course 3
- Summer 6 hrs
  - EVT 4065 Princip/Prc Technical Ed 3
  - EVT 4169 Curr Dev of Ind Training 3

Senior Year
- Fall 12 hrs Spring 12 hrs
  - ADE 4382 Teaching Adult Learners 3
  - EVT 4386 Adv Teach/Tech in Voc Ed 3
  - Upper Division Elective 3
  - Upper Division Elective 3
- Summer 6 hrs
  - EVT 4065 Princip/Prc Technical Ed 3
  - EVT 4169 Curr Dev of Ind Training 3

- It is highly recommended that students seeking State certification pass the GKT. See advisor for further details.

THEATRE (B.F.A.)
College of Arts and Humanities
Department of Theatre, UTC 180, 407-823-2862
http://www.theatre.cah.ucf.edu
Acting: Be Boyd, 407-823-2862, E-mail: bboyd@mail.ucf.edu
Design & Technology and Stage Management: Bert Scott, 407-823-2862, E-mail: hscott@mail.ucf.edu

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design and Technology. This BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become BFA majors via an interview and other audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.

- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.
- Design and Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See http://www.theatre.ucf.edu for details and for information on scheduling an appointment.
- All Acting students must submit a resume, black and white head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design and Technology and Stage Management students must submit a resume, black and white photo, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design and Technology and Stage Management students must submit a resume, black and white photo, three letters of recommendation, and transcripts of previous college work at the time of audition.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted.
- Continuation in the BFA program requires positive BFA reviews by the faculty.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a departmental advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.
- Prior to graduation, all BFA Design and Technology and Stage Management majors (including transfers) must participate in at least 5 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be as a department head, stage manager, assistant stage manager, designer, or other high-level production role. The other three credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.
- All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department’s Undergraduate Coordinator to evaluate their transfer credits and to determine the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

Design and Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

Design and Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.

All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Students must follow the most recent department student handbook.

Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours
Courses designated 1 (General Education Program) are taken throughout all four years.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      9 hrs
   B. Cultural and Historical Foundations
      Select one course from 1.B.1 list
      3 hrs
      Select THE 2020 Survey of Theatre for Majors
      3 hrs
      Design and Technology Students - Select ARH 2051
      (History of Western Art II)
      3 hrs
   C. Mathematical Foundations
      Select MGF 1106 Finite Mathematics or MGF 1107
      (may substitute a higher level math)
      3 hrs
      Select STA 1060C Statistics Using Excel
      3 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites (18 hrs)
   THE 2020* Survey of Theatre for majors
   GEP
   THE 2304* Script Analysis
   3 hrs
   THE 2090L Theatre Participation - Management I
   1 hr
   TPA 2290L Theatre Participation - Production I
   1 hr
   TPP 2190L Theatre Participation - Performance I
   1 hr
   TPP 3310C Directing I
   3 hrs
   TPP 2110C Acting I - Introduction
   3 hrs
   TPA 2210 Stagecraft I or
   3 hrs
   TPA 2200 Technical Theatre Production and
   2 hrs
   TPA 2201L Technical Theatre Production LAB
   1 hr
   *Plus an additional 3 hours of THE, TPA, or TPP courses. See Specialization
   *See Transfer Notes for possible substitutes.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (9 hrs)
   THE 3311 Theatre History and Dramatic Literature I
   3 hrs
   THE 3312 Theatre History and Dramatic Literature II
   3 hrs
   THE 3313 Theatre History and Dramatic Literature III
   3 hrs

4A. Specialization: select one area (66 hrs)

**Acting Specialization**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 2201</td>
<td>Technical Theatre Production</td>
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<tr>
<td>TPA 2201L</td>
<td>Technical Theatre Production LAB</td>
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</tr>
<tr>
<td>TPA 2170C</td>
<td>Acting II - The Actor Prepares</td>
<td></td>
</tr>
<tr>
<td>TPA 2248C</td>
<td>Makeup Techniques</td>
<td></td>
</tr>
<tr>
<td>DAA 2200C</td>
<td>Ballet I</td>
<td></td>
</tr>
<tr>
<td>TPP 2710C</td>
<td>Voice Production I</td>
<td></td>
</tr>
</tbody>
</table>

TPP 3172C Acting III - Building the Character 3 hrs
TPP 3510C Movement for the Actor I 2 hrs
TPP 3513C Movement for the Actor II 2 hrs
TPP 3512C Stage Combat 2 hrs
TPP 3257C Music Theatre Voice I 2 hrs
TPP 3258C Musical Theatre Voice II 2 hrs
TPP 3711C Voice Production I 2 hrs
TPP 3712C Voice Production II 2 hrs
TPP 3730C Voice Production IV 2 hrs
TPP 4140C Acting IV - Creating the Role 3 hrs
TPP 4142C Acting V - Verse 3 hrs
TPP 4265C Acting VI for TV/Film 3 hrs
TPP 4531C Period Movement 2 hrs
TPP 4904L Theatre Internship 6 hrs
TPP 4905L Acting VII for TV/Film 3 hrs
TPP 4221 Auditioning 1 hr
TPP 4223C Theatre Careers for Performance 3 hrs
DAA 2570C Jazz Dance I or 2 hrs
DAA 2100C Modern Dance I
TPP 4293L – or – THE 4093L – or – TPP 4193L 1 hr

Restricted electives (see list of courses) 12 hrs

**Stage Management Specialization**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 2210</td>
<td>Stagecraft I</td>
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<tr>
<td>TPA 2210L</td>
<td>Stagecraft I LAB</td>
<td></td>
</tr>
<tr>
<td>TPA 2211</td>
<td>Stagecraft II</td>
<td></td>
</tr>
<tr>
<td>TPA 2211L</td>
<td>Stagecraft II LAB</td>
<td></td>
</tr>
<tr>
<td>TPA 4293L</td>
<td>Theatre Participation - Production II</td>
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</tr>
<tr>
<td>TPA 4093L</td>
<td>Theatre Participation - Management II</td>
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</tr>
<tr>
<td>TPA 4400</td>
<td>Theatre Management</td>
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<tr>
<td>TPA 2170C</td>
<td>Acting II - The Actor Prepares</td>
<td></td>
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<tr>
<td>TPA 2000C</td>
<td>Theatre Design Basics</td>
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<tr>
<td>TPA 2010C</td>
<td>Scenography</td>
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<tr>
<td>TPA 2220C</td>
<td>Stage Electronics</td>
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<tr>
<td>TPA 2660</td>
<td>Stage Management Basics</td>
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<tr>
<td>TPA 3601</td>
<td>Stage Management</td>
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<tr>
<td>TPA 4562C</td>
<td>Advanced Stage Management</td>
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<tr>
<td>TPA 3221C</td>
<td>Lighting Design for Theatre I or</td>
<td></td>
</tr>
<tr>
<td>TPA 3260C</td>
<td>Sound Design for Theatre I</td>
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</tr>
<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Design I</td>
<td></td>
</tr>
<tr>
<td>TPA 2148L</td>
<td>Summer Theatre Studio/Design I</td>
<td></td>
</tr>
<tr>
<td>THE 4284</td>
<td>Costume, Architecture, Decor History I</td>
<td></td>
</tr>
<tr>
<td>THE 4285</td>
<td>Costume, Architecture, Decor History II</td>
<td></td>
</tr>
<tr>
<td>TPA 4904L</td>
<td>Theatre Internship</td>
<td></td>
</tr>
<tr>
<td>TPA 4401C</td>
<td>Theatre Careers for Tech/Management</td>
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<tr>
<td>TPA 4250C</td>
<td>CADD for Theatre</td>
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<tr>
<td>TPA 3383C</td>
<td>Topics in Technical Theatre</td>
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<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Design I</td>
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</tr>
<tr>
<td>TPA 3260C</td>
<td>CADD for Theatre</td>
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</tr>
<tr>
<td>TPA 2000C</td>
<td>Theatre Design Basics</td>
<td></td>
</tr>
<tr>
<td>TPA 2010C</td>
<td>Theatre Rendering</td>
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<tr>
<td>TPA 2010C</td>
<td>Scenography</td>
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<tr>
<td>THE 4284</td>
<td>Costume, Architecture, Decor History I</td>
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</tr>
<tr>
<td>THE 4285</td>
<td>Costume, Architecture, Decor History II</td>
<td></td>
</tr>
<tr>
<td>TPA 3077C</td>
<td>Scene Painting</td>
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<tr>
<td>TPA 3383C</td>
<td>Topics in Technical Theatre</td>
<td></td>
</tr>
<tr>
<td>TPA 3600C</td>
<td>Scene Design for Theatre I</td>
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</tr>
<tr>
<td>TPA 4061C</td>
<td>Scene Design for Theatre II</td>
<td></td>
</tr>
</tbody>
</table>

4B. Restricted Electives (except where required by a specialization - see specializations for credit hours)

Choose from the following:
THE 3230 Cultural Diversity in Theatre 3 hrs
THE 4093L Theatre Participation - Management II 1 hr
THE 3240 Musical Theatre Survey 3 hrs
THE 5307 Contemporary Theatre 3 hrs
TPP 3077C Scene Painting 2 hrs
TPP 3383C Topics in Technical Theatre 2 hrs
TPA 3060C Scene Design for Theatre I 3 hrs
TPA 4061C Scene Design for Theatre II 3 hrs

UCF Degree Programs

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## UCF Degree Programs

### 4C. Design Electives (for Design & Technology Specialization)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3040C</td>
<td>Costume Design for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3221C</td>
<td>Lighting Design for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3260C</td>
<td>Sound Design for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4210C</td>
<td>Costume Design for Theatre II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4224C</td>
<td>Lighting Design for Theatre II</td>
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<tr>
<td>TPA 4264C</td>
<td>Sound Design for Theatre II</td>
<td>3 hrs</td>
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<tr>
<td>TPA 4384C</td>
<td>Advanced Topics in Technical Theatre</td>
<td>3 hrs</td>
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<tr>
<td>TPA 4135L</td>
<td>Summer Theatre Studio/Design I</td>
<td>3 hrs</td>
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<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Design II</td>
<td>3 hrs</td>
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<tr>
<td>TPA 2600</td>
<td>Stage Management Basics</td>
<td></td>
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<tr>
<td>TPA 3001</td>
<td>Stage Management</td>
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<tr>
<td>TPA 4400</td>
<td>Theatre Management</td>
<td></td>
</tr>
<tr>
<td>TPA 4293L</td>
<td>Theatre Participation - Production II</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPP 3197L</td>
<td>Summer Theatre Performance</td>
<td>3 hrs</td>
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<tr>
<td>TPP 3952L</td>
<td>Summer Studio Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4268C</td>
<td>Acting VII for TV/Film</td>
<td>3 hrs</td>
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<tr>
<td>THE 4824</td>
<td>Costume, Architecture, Decor History I</td>
<td>3 hrs</td>
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<tr>
<td>THE 4285</td>
<td>Costume, Architecture, Decor History II</td>
<td>3 hrs</td>
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<tr>
<td>TPP 4143C</td>
<td>Acting Stylies</td>
<td>3 hrs</td>
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<tr>
<td>ARP 2505</td>
<td>History of Western Art</td>
<td>3 hrs</td>
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<tr>
<td>TPA 2248C</td>
<td>Makeup Technique</td>
<td>2 hrs</td>
</tr>
<tr>
<td>THE 2025*</td>
<td>Introduction to Theatrical Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4311C</td>
<td>Advanced Directing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4193L</td>
<td>Theatre Participation - Performance II</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 3905*</td>
<td>Independent Study</td>
<td>1-9 hrs</td>
</tr>
<tr>
<td>TAA 3905*</td>
<td>Independent Study</td>
<td>1-9 hrs</td>
</tr>
<tr>
<td>THE 4912*</td>
<td>Undergraduate Research</td>
<td>3-6 hrs</td>
</tr>
<tr>
<td>TAA 4912*</td>
<td>Undergraduate Research</td>
<td>3-6 hrs</td>
</tr>
<tr>
<td>*Other THE, TPA, TAA or DAN courses as approved by the department requires instructor and departmental approval in advance</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a 'B' Theatre GPA (3.0) or better
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
- Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF
- Computer Competency met by STA 1060C or computer science course

### 6. Foreign Language Requirements

**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** None

### 7. Electives

- **(variable)**

### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

**Total Semester Hours Required:** 129 hrs

**Related Programs:** Art, Film, Music, Theatre Studies BA

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**TRANSFER NOTES:**

- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:

- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304: may use THE 2300
- TPP 2210: may use TPP 2210 or TPP 2201
- TPP 2201: may use TPP 2200 or TPP 2210
- TPP 3310C: may use TPP 2300

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_comacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_comacts.htm)

**Equipment Fee**

- **Full-time Student** .................................................. $90 per term
- **Part-time Student** .................................................. $45 per term

**THEATRE - MUSICAL THEATRE TRACK (B.F.A.)**

**College of Arts and Humanities**

**Department of Theatre, UTC 180, 407-823-2862**

[http://www.theatre.ucf.edu](http://www.theatre.ucf.edu)

Contact: Earl Weaver, 407-823-2862, E-mail: eweaver@mail.ucf.edu

The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career in the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre.

Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

**Admission Requirements**

- Entrance into most theatre classes is restricted to majors.
- Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu).
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu) for details.
- All students must submit a resume, black and white head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by March 1. Students may request a scholarship application prior to their audi-
tion by contacting the Area Coordinator, or they may complete the application at their audition.

- The Musical Theatre plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program.

- Continuation in the BFA program requires a positive annual BFA Review.
- Co-op cannot be used in this major.
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA Musical Theatre majors must participate in at least four productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.

All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to determine the length of their program of study.

We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a 0 credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbook.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.

**1. UCF General Education Program** (36 hrs)

<table>
<thead>
<tr>
<th>A. Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one course from 1.B.1 list</td>
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<tr>
<td>Select THE 2020</td>
<td>3 hrs</td>
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<tr>
<td>Select one course from 1.B.1 or 1.B.2 list</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>B. Cultural and Historical Foundations</th>
<th>(3 hrs)</th>
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<tbody>
<tr>
<td>Prefor MGF 1106 or MGF 1107 (may substitute a higher level math)</td>
<td>3 hrs</td>
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<tr>
<td>Prefor STA 1000C</td>
<td>3 hrs</td>
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**2. Social Foundations** (6 hrs)

<table>
<thead>
<tr>
<th>E. Science Foundations</th>
<th>(6 hrs)</th>
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**2. Common Program Prerequisites** (18 hrs)

| THE 2020* | Survey of Theatre for majors | GEP |
| THE 2304* | Script Analysis | 3 hrs |
| THE 2090L | Theatre Participation - Management I | 1 hr |
| TPP 2290L | Theatre Participation - Production I | 1 hr |
| TPP 2190L | Theatre Participation - Performance I | 1 hr |
| TPP 2201* | Technical Theatre Production | 2 hrs |
| TPP 2201L | Technical Theatre Production Lab | 1 hr |
| TPP 3310C | Directing I - Introduction | 3 hrs |
| TPP 2110C | Acting I - Introduction | 3 hrs |
| TPP 2170C | Acting II - The Actor Prepares | 3 hrs |

*See Transfer Notes for possible substitutes.

**3. Specialization: Lower Division** (20 hrs)

| MUT 1121 | Music Theory and Musicianship I | 4 hrs |
| MUT 1122 | Music Theory and Musicianship II | 4 hrs |
| DAA 2200C | Ballet I | 2 hrs |
| DAA 2201C | Ballet II | 2 hrs |
| DAA 2570C | Jazz Dance I | 2 hrs |
| DAA 2571C | Jazz Dance II | 2 hrs |
| DAA 2520C | Tap Dance I | 2 hrs |
| TPA 2248C | Make-up Techniques | 2 hrs |

**4. Specialization: Upper Division** (51 hrs)

| TPP 3172C | Acting III - Building the Character | 3 hrs |
| TPP 4140C | Acting IV - Creating the Role | 3 hrs |
| TPP 3250C | Musical Theatre Acting Perf I | 3 hrs |
| TPP 3252C | Musical Theatre Acting Perf II | 3 hrs |
| TPP 4253C | Musical Theatre Acting Perf III | 3 hrs |
| THE 4244 | Musical Theatre History I | 3 hrs |
| THE 4245 | Musical Theatre History II | 3 hrs |
| TPP 4223C | Theatre Careers for Performance | 3 hrs |
| THE 3311 | Theatre History and Dram. Lit I | 3 hrs |
| THE 3312 | Theatre History and Dram. Lit II | 3 hrs |
| TPA 4293L - THE 4093L - TPP 4130L | 1 hr |
| TPP 3257C | Musical Theatre Voice I | 2 hrs |
| TPP 3258C | Musical Theatre Voice II | 2 hrs |
| TPP 4259C | Musical Theatre Voice III | 2 hrs |
| TPP 4293C | Musical Theatre Voice IV | 2 hrs |
| TPP 4270C | Musical Theatre Voice V | 2 hrs |
| TPP 4271C | Musical Theatre Voice VI | 2 hrs |
| TPP 4746C | Musical Theatre Voice VII | 2 hrs |
| TPP 4940L | Theatre Internship | 6 hrs |

**4A. Movement Electives** (2 hrs)

| TPP 4531C | Period Movement | 2 hrs |
| TPR 3512C | Stage Combat | 2 hrs |

Any DAA or DAN courses not already required and with departmental approval.

**4B. Restricted Electives** (2 hrs)

<table>
<thead>
<tr>
<th>Chosen from the following</th>
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</thead>
<tbody>
<tr>
<td>DAN 3134</td>
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<td>DAA 3612</td>
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<td>DAA 2100C</td>
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<td>DAA 3684</td>
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<td>DAA 2521C</td>
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<td>DAA 3524C</td>
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<td>DAA 2393C</td>
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<td>DAA 3645</td>
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<td>DAA 3684</td>
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<tr>
<td>TPP 3730C</td>
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<td>TPP 4142C</td>
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<td>TPP 4265C</td>
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<td>TPP 4268C</td>
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<td>THE 5303</td>
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<td>THE 5307</td>
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<td>TPA 3195L</td>
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<td>TPA 3197L</td>
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<td>TPA 3979L</td>
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<td>TPP 3952L</td>
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<tr>
<td>TPP 4143C</td>
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<tr>
<td>TPA 2600*</td>
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<tr>
<td>TPA 4400</td>
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<tr>
<td>THE 4284</td>
</tr>
</tbody>
</table>
UCF Degree Programs

THE 4285  Costume, Architecture, Decor History II  3 hrs
TPP 4221  Auditioning  3 hrs
THE 3313  Theatre History and Dramatic Literature III  3 hrs
THE 3905*  Independent Study  1-9 hrs
TPP 4311C*  Advanced Directing  3 hrs
THE 4093L  Theatre Participation - Management II  1 hr
TPP 4293L  Theatre Participation - Production II  1 hr
TPP 3313L  Theatre Participation - Performance II  1 hr
THE 4912*  Undergraduate Research  3-6 hrs
Honors in the Major Directed Readings and Thesis*  3-6 hrs

*Other THE, TPA, TPP, DAI or DAE courses not already required and as approved by the department requires instructor and departmental approval in advance

5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a "B" Theatre GPA (3.0) or better
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes
- Complete an Exit Survey, Exit Interview, and Audit Check the semester prior to final semester of theatre classes
- Minimum of 60 theatre credits must be completed in residency at UCF
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Computer Competency met by STA 1060C or computer science course

6. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. Electives (variable)

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required  129 hrs

Related Programs: Film, Music, Theatre Studies BA
Related Minors: Music, Film, Theatre, Dance

Transfer Notes:

- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- THE 200: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304: may use THE 2300
- THE 2304: may use THE 2300
- TPP 2201: may use TPA 2200 or TPA 2210
- TPP 3310C: may use TPP 2300

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/sac/academic_learning_compacts.htm

Equipment Fee:

- Full-time Student .............................................. $90 per term
- Part-time Student ............................................. $45 per term

UCF Degree Programs

THEATRE STUDIES (B.A.)
College of Arts and Humanities
Department of Theatre, UTC 180, 407-823-2862
http://www.theatre.cah.ucf.edu

Contact: John Shafer, 407-823-2862, E-mail: jwshafer@mail.ucf.edu

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

Admission Requirements

- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit the audition site online at http://www.theatre.ucf.edu.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted.
- Co-op credit cannot be used in this program
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions.
- Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department
- All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.
- All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbook.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)

A. Communication Foundations
   - 9 hrs
B. Cultural and Historical Foundations
   - 9 hrs
C. Mathematical Foundations
   - 6 hrs

(36 hrs)

D. Scientific Foundations
   - 9 hrs

E. Artificial Languages
   - 6 hrs

F. Physical Education
   - 3 hrs

G. UCF Degree Programs
   - 3 hrs

H. The UCF Experience: University and Community Engagement
   - 3 hrs

I. One-hour Elective
   - 1 hr

J. Capstone Experience
   - 3 hrs

K. Honors
   - 3 hrs

L. Writing Requirement
   - 3 hrs

M. Interdisciplinary Experience
   - 3 hrs

N. Total hours
   - 36 hrs

2. UCF Theatre Program Requirements

3. Related Programs

4. Related Minors

5. Transfer Credit

6. Acceptable Substitutes

7. Equipment Fee

8. Transfer Notes

9. Acceptable Substitutes

10. Equipment Fee

11. Transfer Notes

12. Acceptable Substitutes

13. Equipment Fee

14. Transfer Notes

15. Acceptable Substitutes

16. Equipment Fee

17. Transfer Notes

18. Acceptable Substitutes

19. Equipment Fee

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25. Equipment Fee

26. Transfer Notes

27. Acceptable Substitutes

28. Equipment Fee

29. Transfer Notes

30. Acceptable Substitutes

31. Equipment Fee

32. Transfer Notes

33. Acceptable Substitutes

34. Equipment Fee

35. Transfer Notes

36. Acceptable Substitutes

37. Equipment Fee

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39. Acceptable Substitutes

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84. Acceptable Substitutes

85. Equipment Fee

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93. Acceptable Substitutes

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96. Acceptable Substitutes

97. Equipment Fee

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99. Acceptable Substitutes

100. Equipment Fee

101. Transfer Notes

102. Acceptable Substitutes

103. Equipment Fee

104. Transfer Notes

105. Acceptable Substitutes

106. Equipment Fee

107. Transfer Notes

108. Acceptable Substitutes

109. Equipment Fee

110. Transfer Notes

111. Acceptable Substitutes

112. Equipment Fee

113. Transfer Notes

114. Acceptable Substitutes

115. Equipment Fee

116. Transfer Notes

117. Acceptable Substitutes

118. Equipment Fee

119. Transfer Notes

120. Acceptable Substitutes
2. Common Program Prerequisites (18 hrs)

- THE 2020: Survey of Theatre for majors GE
- THE 2304: Script Analysis 3 hrs
- THE 2309L: Theatre Participation - Management I 1 hr
- TPA 2290L: Theatre Participation - Production I 1 hr
- TPP 2101L: Technical Theatre Production 2 hrs
- TPA 2201L: Technical Theatre Production Lab 1 hr
- TPP 3310C: Directing I 3 hrs
- TPP 2700C: Stage Voice/Speech 3 hrs
- TPP 2101*: Fundamentals of Acting 3 hrs

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core requirements (9 hrs)

- THE 3311: Theatre History & Dram. Lit. I 3 hrs
- THE 3312: Theatre History & Dram. Lit. II 3 hrs
- THE 3313: Theatre History & Dram. Lit. III 3 hrs

4. Restricted Electives (19 hrs)

Select 19 hours from the following:

- THE 3230: Cultural Diversity in Theatre 3 hrs
- THE 3082: Theatre Careers 3 hrs
- TPP 4143C: Acting Styles 3 hrs
- TPC 3264C: Acting on Camera 3 hrs
- THE 2025: Intro to Theatrical Design 3 hrs
- THE 4221*: Auditioning 3 hrs
- THE 3240: Musical Theatre Seminar 3 hrs
- THE 4093L*: Theatre Participation-Management II 1 hr
- TPA 2483L*: Theatre Participation-Production II 1 hr
- TPA 4193L*: Theatre Participation-Performance II 1 hr
- THE 5307*: Contemporary Theatre 3 hrs
- TPA 2248C*: Makeup Technique 3 hrs
- THE 4281: Costume, Architecture, Decor History I 3 hrs
- THE 4285: Costume, Architecture, Decor History II 3 hrs
- TPA 3195L: Summer Theatre Studio/Design I 3 hrs
- TPA 3197L: Summer Theatre Studio/Design II 3 hrs
- TPA 2600*: Stage Management Basics 3 hrs
- TPA 4400: Theatre Management 3 hrs
- TIP 3103: Intermediate Acting 3 hrs
- TPI 3197L: Summer Theatre/Performance 3 hrs
- TPA 3952L: Summer Studio Performance 3 hrs
- TPA 4511C*: Advanced Directing 3 hrs
- Any DAA or DAN courses with instructor and departmental approval 2-8 hrs
- THE 3930*: Theatre History & Dram. Lit. III 3-6 hrs
- THE 4912*: Undergraduate Research 3-6 hrs
- Honors in the Major Directed Readings and Thesis* 3-6 hrs

*Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

5. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each Theatre course
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
- Complete an Exit Survey, and Exit Interview/Audit Check the semester prior to final semester of theatre classes
- Computer Competency met by STA 1060C or Computer Science Course
- Minimum of 30 theatre credits must be completed in residency at UCF

6. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement

Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Required Minor (18 hours minimum)

Theatre Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. Students are free to pursue any minor open to them, but are encouraged to participate in the department’s Associated Minor program which provides additional career/advising support targeted at specific career paths. Please see the departmental handbook for more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

8. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Art, Film, Music, Theatre BFA

Related Minors: Art, Film, Music, Theatre Dance

Transfer Notes:

- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304 (Script Analysis): may use THE 2300 or THE 3305
- TPA 2201: may use TPA 2200 or TPA 2210
- TPP 3310C: may use TPP 2300
- TPP 2101: may use any introductory acting course

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee

- Full-time Student .............................................. $30 per term
- Part-time Student .............................................. $45 per term

WOMEN’S STUDIES

See Interdisciplinary Studies - Women's Studies Track
### MINORS AND CERTIFICATES

**Minors**
- Accounting
- Aerospace Studies
- African-American Studies
- Aging Studies
- American Sign Language and Deaf Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art History
- Art - Studio
- Asian Studies
- Astronomy
- Bioengineering
- Biology
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Computer Science
- Criminal Justice
- Dance
- Digital Media
- Early Childhood Education
- Economics
- Education
- Emergency Management and Homeland Security
- Energy and Sustainability
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English - Writing
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Exceptional Education
- Film - Cinema Studies
- Finance
- Fitness Training
- French
- German
- Health Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Humanities
- Information Technology
- Intelligent Robot Systems
- Interdisciplinary Informatics Technology
- International and Global Studies
- International Business
- International Engineering
- Interpersonal/Organizational Communication
- Italian
- Judicial Studies
- Latin American Area Studies
- Leadership Studies
- Legal Studies
- Magazine Journalism
- Management Information Systems
- Marketing
- Mass Communication
- Mathematics
- Mathematics Education
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Molecular Biology and Microbiology
- Music
- Nonprofit Management/American Humanities
- National Certification Program
- North American Indian Studies
- Operations Management/Enterprise Systems
- Philosophy
- Philosophy, Religion and Popular Culture
- Physics
- Political Science
- Political Science/Prelaw
- Psychology
- Public Administration
- Real Estate
- Recreation
- Religious Studies
- Science Education
- Secure Computing and Networks
- Social Science Education
- Social Sciences - Interdisciplinary
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship
- Theatre
- Urban and Regional Planning
- Women's Studies
- World Comparative Studies

**Certificates**
- Addictions Certificate
- Aging Studies Certificate
- American Sign Language Certificate
- Behavioral Forensics Certificate
- Children's Services Certificate
- Crime Analysis and Crime Mapping Certificate
- Crime Scene Investigation Certificate
- Criminal Profiling Certificate
- Cultural Tourism Certificate
- Diplomacy Certificate
- Educational Studies Certificate
- Energy Technology Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Marketing: Selling and Sales Management Certificate
- Marketing: Retailing Management Certificate
- Marketing: e-Marketing Certificate
- Marketing: Sport Marketing Management Certificate
- Marketing: Healthcare Marketing Certificate
- Marketing: Services Marketing Certificate
- Marketing: Entertainment Marketing Certificate
- Military Science Certificate
- Nonprofit Management Certificate
- Real Estate: Real Estate Brokerage Certificate
- Real Estate: Real Estate Appraisal Certificate
- Real Estate: Mortgage Brokerage Certificate
- Security Management Certificate
- Service-Learning Certificate
- Substitute Teaching Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate
- Women's Studies Certificate

**Additional UCF Programs**

**Study Abroad Programs:**
- Argentina
- Australia
- Austria
- Brazil
- Costa Rica
- Croatia
- Czech Republic
- England
- France
- Germany
- Honduras
- Ireland
- Italy
- Japan
- Jordan
- Poland
- Russia
- Scotland
- Spain
- Sweden
- Switzerland
- The Netherlands
ACCOUNTING: MINOR  
(for Business and Non-Business Majors)  
College of Business Administration  
School of Accounting, BA 437, (407) 823-2871  
Not available to Accounting Majors  

Credit Hour Requirements  
21 hrs  

Required Courses  
9 hrs  
ACG 2021 Principles of Financial Accounting  3 hrs  
ACG 2071 Principles of Managerial Accounting  3 hrs  

Select one of the following (may not be counted as an elective if selected as a required course):  
ACG 3131 Financial Accounting Concepts and Analysis  3 hrs  
ACG 3361 Intermediate Managerial Accounting  3 hrs  

Restricted Electives  
12 hrs  
Select four from the following (at least two courses must have either an ACG or TAX prefix)  
ACG 3131 Financial Accounting Concepts and Analysis  3 hrs  
ACG 3361 Intermediate Managerial Accounting  3 hrs  
ACG 3141 Intermediate Financial Accounting  3 hrs  
ACG 3501 Accounting and Auditing in the Public Sector  3 hrs  
ACG 4401C Accounting Information Systems  3 hrs  
ACG 4651 Auditing  3 hrs  
ACG 4932 Approved Special Topics Courses in Accounting  3 hrs  
TAX 4001 Taxation of Business Entities and Transactions  3 hrs  
FIN 3414 Intermediate Corporate Finance  3 hrs  
FIN 4453 Financial Models  3 hrs  
ISM 3253 MIS Techniques  3 hrs  
ISM 4212 Database Management Systems  3 hrs  

Other Requirements  
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.  
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.  
- Courses taken at community colleges do not substitute for upper division courses.  
- Courses transferred must be formally evaluated for equivalence credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.  
- At least nine hours used in the minor must be earned at UCF within the department.  
- No credit by exam (TSD, Military credit) may be used.  
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

AEROSPACE STUDIES: Minor  
College of Engineering and Computer Science  
Air Force ROTC, TR 501, Rm 103  
Contact: Col. Michael J. Chandler, 407-823-1247  

Credit Hour Requirements  
18 hrs  

Required Courses  
9 hrs  
AFR 1111C The Air Force Today I  1 hr  
AFR 1111C The Air Force Today II  1 hr  
AFR 2190C Development of Air Power I  1 hr  
AFR 2191C Development of Air Power II  1 hr  
AFR 3220C Air Force Leadership and Management I  3 hrs  
AFR 3230C Air Force Leadership and Management II  3 hrs  
AFR 4201C Nat Scry Affairs & Prep for Active Duty I  3 hrs  
AFR 4210C Nat Scry Affairs & Prep for Active Duty II  3 hrs  

Other Requirements  
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.  
- Grades less than “C-” (1.75) are not accepted.  
- At least 12 hours used in the minor must be earned at UCF within the department.  
- No credit by exam (TSD, Military credit) may be used.  
- Internship or Independent Study credit cannot be used toward the minor.

AFRICAN-AMERICAN STUDIES: Minor  
College of Arts and Humanities  
African American Studies Program, CNH 411  
http://www.aas.cah.ucf.edu/  
Contact: J. Stephenson, 407-823-0026  

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.  

Credit hour Requirements  
18 hrs  

Required Courses  
6 hrs  
AFA 3104 The African American Experience  3 hrs  
AMH 3571 Black American History I  3 hrs  

Restricted Electives  
12 hrs  
AFA 3102 Introductory Perspectives on African American Studies  
AFA 2300 African American Music  
AFA 3955 Study Abroad in the Caribbean  
AFA 4105 Documenting African American Heritage and Life  
AHF 3100 African History to 1870  
AHF 3200 African History Since 1870  
AHF 5806 The History of Slavery in Africa  
AMH 3403 History of the South Since 1865  
AMH 3572 Black American History II  
AML 3614 Topics in African-American Literature  
AML 3615 Harlem, Haiti, & Havana  
ANT 3316 Black and Seminole Relations  
ANT 3319 Anthropology of Diaspora  
ANT 4340 Caribbean Cultures  
ARH 3520 African Art  
INR 3253 International Politics of Africa  
FIL 3831 Black Cinema  
LAH 3470 History of the Caribbean  
LAS 4023 Art Caribbean Experience  
LIT 3192 Caribbean Literature  
MUL 2016 Evolution of Jazz  
POS 4622 Politics & Civil Rights  
PUP 3314 Minorities in American Politics  
SOP 3724 The Psychology of Racial Prejudice  
SYD 3700 Race and Ethnic Minorities in the U.S.

Additional courses may be used only with the prior permission of the program Director.  

Other Requirements  
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.  
- Grades below “C” (2.0) in lower level courses are not accepted.  
- At least 12 hours used in the minor must be earned at UCF  
- No credit by exam (TSD, Military credit) may be used.  
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

AGING STUDIES: Minor  
College of Health and Public Affairs  
School of Social Work, HPA 204  
E-mail: socialwk@mail.ucf.edu  
BSW Coordinator: HPA 204, 407-823-2114  

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major as well as non-degree seeking students. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The minor may be completed as a fully web-based program. A required internship, along with course options that include service-learning activities, complements the web-based course of study.  

Credit Hour Requirements  
18 hrs


**Minors**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEY 3001</td>
<td>Gerontology: Interdisciplinary Overview</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Required Internship:** 120 hours

**Select one:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 4510 or SOW 4941</td>
<td>Field Education (for full-time students) or Field Education (for part-time students over two semesters)</td>
<td>9 hrs</td>
</tr>
<tr>
<td>HSA 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3953</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Electives**

**(12 hrs)**

Students select four additional courses from the following: A maximum of two courses in their College and at least two courses must be outside their College.

**College of Health and Public Affairs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4220</td>
<td>Long Term Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3222</td>
<td>Long Term Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4564</td>
<td>Health Care Needs of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4286</td>
<td>Gerontologic Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4530</td>
<td>Legal Issues of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4645</td>
<td>Social Services for the Elderly</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Colleges**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 3464</td>
<td>Psychology of Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4730</td>
<td>Sociology of Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEY 5007*</td>
<td>Women and Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3930</td>
<td>Literature of Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4732</td>
<td>Minority Aging</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*Open to undergraduates with senior standing

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

**AMERICAN SIGN LANGUAGE AND DEAF STUDIES:**

**Minor**

College of Health and Public Affairs

Department of Communication Sciences and Disorders, HP A2, Suite 101

http://www.cohpa.ucf.edu/comdis

Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798, E-mail: jschwartz@mail.ucf.edu

The American Sign Language and Deaf Studies Minor addresses a growing interest in Deaf culture in the United States. Through the minor students not only acquire a non-Indo European, second language that they may use to communicate with the Deaf community, but they also discover a rich and complex cultural group. The minor is available to students in all disciplines who would find it a useful addition to their major, in particular those majoring in liberal studies, education, criminal justice, health professions, social work, psychology, sociology, and interpersonal and organizational communication. Additionally, a minor in American Sign Language and Deaf Studies will serve as a valuable confirmation for employers and graduate schools of a student’s specialized knowledge and as a foundation for future study in interpreter or deaf education.

**Credit Hour Requirements**

**(22 hrs)**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 2140</td>
<td>Introduction to American Sign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ASL 2150</td>
<td>Intermediate American Sign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ASL 4161C</td>
<td>American Sign Language III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ASL 4201</td>
<td>American Sign Language IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPA 4634</td>
<td>Educational Implications of Deafness</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**

- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall minimum GPA of 2.0 in courses used to complete the minor.
- At least 12 hours used in the minor must be earned at UCF with-in the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit), Internship or Independent Study credit may be used toward the minor.

**AMERICAN STUDIES:**

**Minor**

College of Arts and Humanities

http://www.cah.ucf.edu

Contact: Lyman Brodie, CAH 190, 407-823-2292, E-mail: lbrodie@mail.ucf.edu

**Credit Hour Requirements**

**(21 hrs)**

**Required Courses**

**(9 hrs)**

Select one course in each of the three categories below

**Literature and Humanities**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3031</td>
<td>American Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4101</td>
<td>American Novel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3682</td>
<td>Ethnic Literature in America</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Social Sciences**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3413</td>
<td>The American Presidency</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSS 3204</td>
<td>American Political Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>Race and Ethnic Minorities in the U.S.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3630</td>
<td>Sociology of Popular Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**History**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3561</td>
<td>Women in American History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 4110</td>
<td>Colonial America, 1607-1763</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 4120</td>
<td>The Age of the American Revolution</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 4311</td>
<td>American Culture I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 4313</td>
<td>American Culture II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

**(12 hrs)**

A list can be obtained by meeting with an advisor to plan your course of study.

**Other Requirements**

- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**ANTHROPOLOGY**: Minor

College of Sciences

Department of Anthropology, PH 309

http://www.cos.ucf.edu/anthropology

E-mail: anthropology@ucf.edu

Contact: A. Chase, 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

**Credit Hour Requirements**

**(18 hrs)**

**A. Concentration in General Anthropology**

The following 2000 level courses must be taken

**(12 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B. Concentration in Archaeology**

The following 2000 level courses must be taken

**(6 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2306</td>
<td>Archaeology and Rise of Human Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2310</td>
<td>Archaeology &amp; Rise of Human Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2315</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select from the following

**(12 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3106</td>
<td>Archaeology and Popular Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3115</td>
<td>Archaeological Method and Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3142</td>
<td>Old World Prehistory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3158</td>
<td>Florida Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3160</td>
<td>Pre-Contact Americas</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3165</td>
<td>Archaeology of South America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3166</td>
<td>Maya Archaeology (or ANG 6168)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3173</td>
<td>Archaeology of Sex</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3177</td>
<td>Archaeology of Caribbean Piracy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3358</td>
<td>Life and Death in Ancient Egypt</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4101</td>
<td>Archaeological Sciences (or ANG 5100)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4144</td>
<td>Prehistory of North America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
ANT 4180C Seminar in Laboratory Analysis
    (or three 1 hr labs)
ANT 4184 Mortuary Archaeology (or ANG 5741)
ANT 4824 Advanced Archaeological Field Work
ANG 5165 Maya Field Research
ANG 5166 Problems of Maya Studies
ANG 5167 Maya Hieroglyphs
ANG 5228 Maya Iconography

C. Concentration in Physical Anthropology
The following 2000 level courses must be taken: (6 hrs)
ANT 2000 General Anthropology
ANT 2511 The Human Species
Take four of the following courses: (12 hrs)
ANT 3330 Cultural Ecology of Amazonia
ANT 3344 Puerto Rican Culture
ANT 3362 Peoples of Southeast Asia
ANT 3450 Living in the USA: Anthropological Perspectives
ANT 3541 Biobehavioral Anthropology
ANT 3550 Primatology
ANT 3949 Cooperative Education in Anthropology
ANT 4184 Mortuary Archaeology (or ANG 5741)
ANT 4462 Medical Anthropology
ANT 4467 Nutritional Anthropology (or ANG 5467)
ANT 4516 Human Biological Diversity
ANT 4521C Forensic Anthropology
ANT 4525C Human Osteology
ANT 4529C Advanced Forensic Anthropology
ANT 4586 Human Origins
ANG 5742 Problems in Forensic Anthropology

D. Concentration in Cultural Anthropology
The following 2000 level courses must be taken: (6 hrs)
ANT 2000 General Anthropology
ANT 2410 Cultural Anthropology
Take four of the following courses: (12 hrs)
ANT 3212 Peoples of the World
ANT 3241 Magic, Ritual, and Belief
ANT 3245 Native American Religions
ANT 3262 Rural Society
ANT 3273 Law and Culture
ANT 3302 Sex, Gender and Culture
ANT 3311 Indians of the SE US
ANT 3312 Ethnology of North Amer Indians
ANT 3313 Indians of N Amer High Plains
ANT 3314 Indians of the Northeast Woodlands
ANT 3316 Black/Seminoi Relations
ANT 3318 Indians of the Northwest Coast
ANT 3320 Indians of the Southwest
ANT 3364 Ancient Incas
ANT 4332 Peoples and Cultures of Latin America (or ANG 5307)
ANT 4438 Anthropology of Tourism (or ANG 5437)
ANT 4701 Applied Anthropology
ANT 4702 Culture, Power, and Development (or ANG 5272)
ANT 4802 Ethnographic Field Methods
ANT 4863 Anthropology of Japan
ANT 4960 Language and Culture (or ANG 5620)
ANT 4963 Caribbean Cultures (or ANG 5341)
ANT 4965 The Anthropology of Diaspora
ANT 4968 History of Anthropological Thought
ANT 4966 Economic Anthropology
ANT 4968 Gender Issues in Latin America
ANT 4969 African Societies and Cultures
ANT 4975 Postcolonial Africa
ANG 5167 Maya Hieroglyphs
ANG 5228 Maya Iconography
ANG 5622 Language, Culture, and Pedagogy

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

ANTHROPOLOGY IN MULTICULTURAL STUDIES: Minor
College of Sciences
Department of Anthropology, PH 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Contact: A. Chase 407-823-2227

This minor develops a student's understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

Credit Hour Requirements 18 hrs
Required Course (3 hrs)
Select one of the following:
ANT 2000 General Anthropology
ANT 2410 Cultural Anthropology

Restricted Electives (15 hrs)
Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.
ANT 3164 Ancient Incas
ANT 3212 Peoples of the World
ANT 3241 Magic, Ritual, and Belief
ANT 3245 Native American Religions
ANT 3302 Sex, Gender and Culture
ANT 3311 Ethnology of North Amer Indians
ANT 4332 People and Cultures of Latin America (or ANG 5307)
ANT 3640 Language and Culture (or ANG 5620)
ANT 4340 Caribbean Cultures (or ANG 5341)
ANT 3316 Black/Seminoi Relations
ANT 3319 The Anthropology of Diaspora
ANT 3354 Biobehavioral Anthropology
ANT 4438 Anthropology of Tourism (or ANG 5437)
ANT 4467 Nutritional Anthropology (or ANG 5467)
ANT 3701 Applied Anthropology
ANT 4702 Culture, Power, and Development (or ANG 5272)
ANT 4266 Economic Anthropology
ANT 4308 Gender Issues in Latin America
ANT 4516 Human Biological Diversity
SYD 3700 Race and Ethnic Minorities in the US

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

ART HISTORY: Minor
College of Arts and Humanities
Art Department, VAB 117
http://www.art.ucf.edu/
Contact: J. Chavda, 407-823-2676

The Art Department affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art Department courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Credit Hour Requirements 27 hrs
Required Courses (15 hrs)
ARH 2050 The History of Art I 3 hrs
ARH 2051 The History of Art II 3 hrs
ARH 4310 Italian Renaissance Art 3 hrs
ARH 4430 19th Century Art 3 hrs
ARH 4450 20th Century Art 3 hrs

Non-western Course Requirement (3 hrs)
Select from the following:
ARH 4545 Art of India
ARH 3520 African Art
ARH 4655 Meso American Art
## Minors

### ART - STUDIO: Minor

**College of Arts and Humanities**

**Art Department, VAB 117**


**Contact:** J. Chavda, 407-823-2676

**Credit Hour Requirements:** 24 hrs

**Required Courses:** (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals 2-D</td>
<td>3</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals 3-D</td>
<td>3</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Restricted Upper Division Courses:** Six semester hours of studio art in one area of specialization at the 3000-4000 level

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSO, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### ASTRONOMY: Minor

**College of Sciences**

**Department of Physics, MAP 310**

**E-mail:** physics@ucf.edu

**Contact:** Humberto Campins, 407-823-2325

*Not open to Physics majors with an Astronomy specialization*

**Credit Hour Requirements:** 20 hrs

**Required Course:** (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>3</td>
</tr>
<tr>
<td>AST 2002</td>
<td>Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>AST 372C</td>
<td>Tech of Observational Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>AST 3110</td>
<td>Solar System Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
<td>3</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Restricted Electives:** (2 hrs)

**Select either:**

- PHY 2049, Physics for Engineers & Scientists II or
- PHY 2048L, Physics for Engineers and Scientists I Lab and
- AST 2002L, Astronomy Lab

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSO, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### BIOENGINEERING: Minor

**College of Engineering and Computer Science**

**CECS Academic Affairs Office, ENGR 107**

**Contact:** Engineering track - Alain Kassab, 407-823-5778,

E-mail: kassab@mail.ucf.edu;

Computer Science track - Charles Hughes, 407-823-2762,

E-mail: ceh@cs.ucf.edu

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Pre-Health Professions Advisement office housed in the College of Medicine Burnett School of Biomedical Sciences. Contact Dr. Genaro Lopez, HPA I 124; 407-823-2670; E-mail: galopez@mail.ucf.edu. The minor constitutes up to: (a) for the engineering track 24 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 19 hours of coursework over the requirements for a bachelor of science degree in computer science at UCF.

**Admission Requirements:** Entrance into the minor is required upon admission to the University and requires a minimum high school un-weighted GPA 3.7, and ACT 30 or SAT 1300. Well qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program students must maintain a UCF Undergraduate GPA 3.50. Candidates should contact the CECS Academic Affairs Office; bioengineeringminor@mail.ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

<table>
<thead>
<tr>
<th>I. Engineering Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Hour Requirements: 41 hrs</td>
</tr>
<tr>
<td>Required Courses: (35 hrs)</td>
</tr>
<tr>
<td>PHY 2048, Physics for Engineers and Scientists</td>
</tr>
<tr>
<td>PHY 2048 L, Physics Laboratory for Engineers and Scientists</td>
</tr>
<tr>
<td>PHY 2049, Physics for Engineers and Scientists II</td>
</tr>
<tr>
<td>PHY 2049 L, Physics Lab for Engineers and Scientists II</td>
</tr>
<tr>
<td>BSC 2010C, Biology I</td>
</tr>
<tr>
<td>BSC 2011C, Biology II</td>
</tr>
</tbody>
</table>

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*Unweighted GPA* is a GPA calculated without the effect of any grade below a C. It is determined by excluding all grades below a C and summing the grades for all the courses used to satisfy the requirements for the minor.**
### Chemistry: Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs*</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs**</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hrs***</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs**</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Chemistry II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 321L</td>
<td>Organic Laboratory Techniques II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EGN 4941</td>
<td>Externship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Recommended Courses (6 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA 5584</td>
<td>Biomaterials</td>
<td>3 hrs*</td>
</tr>
<tr>
<td>EML 5760</td>
<td>Biofluid Mechanics</td>
<td>3 hrs*</td>
</tr>
<tr>
<td>EEE 5272</td>
<td>Biomedical Sensors</td>
<td>3 hrs*</td>
</tr>
<tr>
<td>EES 4111C</td>
<td>Biological Process Control</td>
<td>3 hrs*</td>
</tr>
<tr>
<td>EIN 5248C</td>
<td>Ergonomics</td>
<td>3 hrs*</td>
</tr>
</tbody>
</table>

**General science list (choose one from the following)**

- CAP 5512: Evolutionary Computation
- BCH 4053: Biochemistry I
- BSC 3403C: Quantitative Biological Methods
- BSC 5418: Tissue Engineering
- MCB 3020C: General Microbiology
- ZOO 3733C: Human Anatomy
- ZOO 3744: Neurobiology
- PCB 3063: Genetics

**Required Courses (35 hrs)**

- CHM 2040C plus CHM 2041C can substitute for CHM 2045C

**Other Requirements**

- 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, BL 301**

[http://www.cos.ucf.edu/biology](http://www.cos.ucf.edu/biology)

**E-mail:** biology@ucf.edu

Contact: F. Logiudice, 407-823-2141

**Credit Hour Requirements (31 hrs)**

**Required Courses (31 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<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 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3023</td>
<td>Molecular Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044</td>
<td>Principles of Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4883</td>
<td>Evolutionary Biology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Not open to Biology or Biology Preprofessional majors.

### Business: Minor

**College of Business Administration, BA2 101**

**Not available to Business majors**

**Contact:** Undergraduate Student Services, BA 201, 407-823-2184

**Required Accounting Courses (6 hrs)**

- ACG 2071: Principles of Managerial Accounting

**Required Courses (18 hrs)**

- ECO 2013: Microeconomics
- FIN 3403C: Business Finance
- MAN 3025: Management of Organizations
- MAR 3023: Marketing

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses 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.
- 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.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

### Chemistry: Minor

**College of Sciences**

**Department of Chemistry, CH 117**

[http://www.cos.ucf.edu/chemistry](http://www.cos.ucf.edu/chemistry)

**E-mail:** chemistry@ucf.edu

Contact: Cherie Geiger

**Credit Hour Requirements (28 hrs)**

**Required Courses (20 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>
Minors

CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHM 3210 Analytical Chemistry & Lab 4 hrs
*CHM 2040C plus CHM 2041C can substitute for CHM 2045C

Restricted Upper Division Electives (7 hrs)
At least one course must be selected from group I and the remaining from group I and/or II:

Group I: Select at least one course
CHM 3212L Organic Laboratory Techniques II
CHM 4130 Advanced Analytical Laboratory Technique
BCH 4103L Biochemical Methods
CHS 3530C Forensic Analysis of Controlled Substances
CHM 3411L Physical Chemistry Laboratory
CHM 5451C Polymer Chemistry Laboratory

Group II:
BCH 4053 Biochemistry I
BCH 4054 Biochemistry II
CHM 3410 Physical Chemistry I
CHM 3411 Physical Chemistry II
CHM 3422 Applied Physical Chemistry
CHM 5225 Advanced Organic Chemistry I
CHM 4220 Organic Chemistry III
CHS 4200 Concepts in Industrial Chemistry
CHM 5235 Applied Molecular Spectroscopy
CHM 5450 Polymer Chemistry
CHS 4615 Environmental Chemistry

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF
- No grades below “C-” (1.75) and no “S” grades will be accepted.
- No TSD or Military credit may be used.

COACHING: Minor

College of Education

Department of Child, Family and Community Sciences
ED 209
Program Coordinator: Debby Mitchell, ED 320H, 407-823-6598, E-mail: mitchell@mail.ucf.edu

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Credit Hour Requirements 18 hrs
Required Courses (15 hrs)
*PET 2622C Human Injuries 3 hrs
PET3765 Coaching Theory 3 hrs
PET3493 Sports and Ethics 3 hrs
PET4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4763 Coaching Methods and Principles 3 hrs
Select one course from the following: (3 hrs)
PETO320 Coaching Football 3 hrs
PETO364 Coaching Basketball or
PETO332 Coaching Volleyball
*If the student has completed this course at a community college it can be transferred into the program.

Other Requirements
- An overall GPA of 2.0 is required to satisfy the minor.
- No grades below “C-” (1.75) and no “S” grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No TSD or Military credit may be used.
- Internship or Independent Study credit cannot be used toward the minor.

COGNITIVE SCIENCES: Minor

College of Arts and Humanities
Philosophy Department, PSY 220
http://www.cah.ucf.edu/philosophy/
E-mail: philosophy@ucf.edu
Contact: Jennifer Mundale, 407-823-2273; Fax: 407-823-6658

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive science, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Credit Hour Requirements 21 hrs
Note: It is the student’s responsibility to satisfactorily complete all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Foundation Courses (15 hrs)
Select from at least 4 subject areas
Neuroscience
PSB 3002 Physiological Psychology (PR: PSY 2012)
PSB 4240C Neuropsychology (PR: PSB 3002)
ZOO 744 Neurobiology (PR: BSC 2010C)
PSB 4422 Brainwaves and Behavior (PR: PSB 3002)

Philosophy
PHI 3330 Philosophy of Mind (PR: PHI 2010 or C.I.)
PHI 3323 Minds and Machines (PR: PHI 2010 or C.I.)
PHI 4341 Ways of Knowing (PR: PHI 2010)
PHI 3451 Philosophy of Psychology (PR: Junior or C.I.)
PHI 4400 Philosophy of Science

Psychology
EXP 3604C Cognitive Psychology (PR: PSY 2012)
EXP 4507C Advanced Human Memory and Cognition (PR: PSY 2012)
EXP 3604C Perception (PR: PSY 2012, PSY 3213C)

Computer Science and Information Technology
CAP 4453 Robot Vision (PR: COP 3530C and MAC 2312, or C.I.)
CAP 4630 Introduction to Artificial Intelligence (PR: COP 3530C)
EEL 351I Information Theory (PR: MAC 2147 or any calculus course; not open to EE or Cse majors)
EEL 3552C Signal Analysis & Communications (PR: EEL 3004)

Language and Linguistics
LIN 3010 Principles of Linguistics (PR: ENC 1102)
LIN 3716 Language Development: Birth Through 8 Years (PR: DEP2004)
LIN 3717 Language Development: 9-18 Years (PR: LIN 3716)
PSY 3703 Psychology of Oral Communication

Restricted Electives (6 hrs)
ANT 3541 Biobehavioral Anthropology
ANT 3550 Primatology (PR: ANT 2511 or C.I.)
ANT 3640 Language and Culture (PR: Sophomore standing)
ANT 4586 Human Origins (PR: ANT 2511)
CAP 4630 Introduction to Artificial Intelligence (PR: COP 3530C)
COR 4520 Concepts of Parallel Distributed Processing (PR: COP 3530C and COP 3402)
CAP 5015 Multimedia Compression on the Internet (PR: senior or graduate student)
CAP 5415 Computer Vision (PR: COP 3530C)
CAP 5512 Evolutionary Computing
COR 4520 Concepts of Parallel and Distributed Processing (PR:COP 3530C and COP 3402)
LIN 4711 Language Analysis (PR: LIN 3716 and LIN 3717)
LIN 4711L Language Analysis Lab (PR: LIN 3716 and LIN 3717)
PHI 3626 Advanced Ethics in Science and Technology (PR: COP 3530C or DIG 2000 or C.I.)
PHI 2101 Critical Thinking
PHI 2101 Formal Logic I
PHI 4500 Metaphysics (PR: Philosophy Major or C.I.)
PHI 4621Philosophies of Embodiment (PR: Junior standing and either PHI 2010, PHI 2011, PHI 2101, or C.I.)
CAP 5015 Mathematical Modeling I (PR: MAC 2311 or MAC 2281, and MAP 2302)
PSY 4042 The Psychology of Art (PR: PSY 2012 and ARH 205x)
PSY 3213C Research Methods in Psychology (PR: PSY 2012 and STA 2014C or STA 2023)
EXP 3204C Perception (PR: PSY 2012 and PSY 3213C)
(Electives may also be chosen from Required Courses above)

Other Requirements
- A minimum 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study require 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
http://www.cohpa.ucf.edu/comdis

Contact:
Jamie B. Schwartz, 407-823-4798,
E-mail: jschwart@mail.ucf.edu

Credit Hour Requirements 22 hrs
Required Courses
SPA 3471 Communication Disorders in Literature and Media 3 hrs
SPA 3112 Basic Phonetics 3 hrs
SPA 3211L Basic Phonetics Lab 1 hr
LIN 3716 Language Development: Birth Through 8 Years 3 hrs
SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
SPA 4032 Audiology 3 hrs
SPA 4400 Language Disorders Across the Life Span 3 hrs
SPA 4476 Speech Disorders Across the Lifespan 3 hrs

Other Requirements
- A minimum grade of "C-" (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 of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.
- 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.

COMPUTER SCIENCE: Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science,
Harris Corp Engineering Ctr., Rm 246, 407-823-2787; Fax: 407-823-5419
http://www.eecs.ucf.edu

Contact: Mark Llewellyn, E-mail: markl@cs.ucf.edu

Credit Hour Requirements 19 hrs
Required Courses (19 hrs)
COP 3223 Intro to Programming with C 3 hrs
COP 3330 Intro to Object Oriented Programming 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
CS 3100C Introduction to Discrete Mathematics 3 hrs
or MAD 2104 Foundations of Discrete Mathematics 3 hrs
EEL 3801 Computer Organization 3 hrs

Other Requirements
- Not open to Computer Science or Information Technology majors.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

CRIMINAL JUSTICE: Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311
E-mail: cjadvise@mail.ucf.edu

Contact: Mary Ann Eastep, 407-823-3598

Credit Hour Requirements 18 hrs
Required Courses (6 hrs)
CCJ 3024 Criminal Justice System 3 hrs
CCJ 3014 Crime in America 3 hrs

Restricted Electives (12 hrs)
Two of the following:
CJL 3510 Prosecution and Adjudication 3 hrs
CCJ 3010 Corrections and Penology 3 hrs
CJE 4014 Police and Society 3 hrs
Six semester hours of Criminal Justice Courses 6 hrs
(Selected with the aid of an advisor)

Other Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

COMMUNITY ARTS—PAVE: Minor
College of Arts and Humanities
Department of Art, VAB 117
http://www.art.ucf.edu/
E-mail: art@ucf.edu

Contact: Janet Kilbride, 407-823-2676

Minor Requirements
Partners in Art in Visual Education (PAVE)
A minor in Community Arts—PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus). Students interested in the minor should contact the department chair.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used toward the minor.

DANCE: Minor
College of Arts and Humanities
Theatre Department, UTC 180
http://www.theatre.ucf.edu

Contact: Brian Vernon, 407-823-2862, E-mail: bvernon@mail.ucf.edu

Credit Hour Requirements 18 hrs
Entrance Requirement
A successful audition

Required Courses (11 hrs)
DAN 3134 Dance History I 3 hrs
DAA 3612 Dance Improvisation/Composition I 3 hrs
DAA 2100C Modern Dance I 2 hrs
DAA 2200C Ballet I 2 hrs
DAA 3684 Dance Performance 1 hr

Electives (7 hrs)
DAA 2570C Jazz Dance I 2 hrs
DAA 2571C Jazz Dance II 2 hrs
DAA 2520C Tap Dance I 2 hrs
DAA 3521C Tap Dance II 2 hrs
DAA 3524C Tap Dance III 2 hrs
Minors

DAE 2201C Ballet II 2 hrs
DAE 3208C Ballet III 2 hrs
DAE 2101C Modern Dance II 2 hrs
DAE 3108C Modern Dance III 2 hrs
DAE 2393C World Dance 2 hrs
DAE 3645 Choreography Practicum 2 hrs
DAE 3684 Dance Performance 1 hr
TPA 2290L Theatre Participation 1 hr

Other Requirements:
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- Student must consult dance advisor every semester. Students who do not consult with their department advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with prior written permission.
- Participation on a minimum of one departmental dance concert.
- A minimum of three different dance styles must be completed in the minor.

DIGITAL MEDIA: Minor

College of Arts and Humanities
Digital Media, 12461 Research Parkway, 500 OTC
http://www.dm.ucf.edu

Interim Chair of Department of Digital Media: Dr. José Maunez-Caudra, 407-823-6100

Credit Hour Requirements

Required Courses 18 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 3180C Digital Imagery 3 hrs
COP 2500C Concepts in Computer Science 3 hrs
DIG 3716C Internet Interaction 3 hrs

Restricted Elective Courses 6 hrs
Select two courses:
DIG 3290C Assembling Digital Media 3 hrs
DIG 3253C Digital Media Audio 3 hrs
DIG 2821 Creative Digital Problem Solving 3 hrs
DIG 2485 Visual Language of the Moving Image 3 hrs
DIG 2300C Computers as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 3563 Information Management and Authorship 3 hrs
DIG 4503 Rapid Application Web Development 3 hrs
DIG 4324C Modeling for Real-time Systems II 3 hrs
DIG 4455 Interactive Performance II 3 hrs
DIG 4713 Game Design 3 hrs
DIG 4715C Game Production 3 hrs
DIG 4780C Modeling for Real-time Systems I 3 hrs
DIG 4630C Media for E-Commerce II 3 hrs
DIG 4530C Media for E-Commerce I 3 hrs

Or - any 3000 or 4000 level courses approved by the Department of Digital Media.

Other Requirements:
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a "B" (3.0) or better is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Note: Completion of the minor does not complete the requirements for certification in Early Childhood Education nor does it constitute admission to the College of Education.

ECONOMICS: Minor

(for Business and Non-Business Majors)

Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics

Not available to Economics Majors

Advisors: Michael Caputo, BA2 302Q, 407-823-1405, E-mail: mcaputo@bus.ucf.edu; D. Scrugin, BA2 302U, 407-823-4129; N. Underwood, BA2 302N, 407-823-1403

Credit Hour Requirements

Required Courses 18 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following two courses:
ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs

Upper Division Restricted Electives 9 hrs
Select from any ECO, ECP or ECR courses at the 3000 - 4000 level, excluding ECO 3401.

Note: ECO 3401 (or equivalents) is a pre-requisite for ECO 3101 and ECO 3203.

Other Requirements:
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated and an equivalency credit will be awarded.
- At least nine hours used in the minor must be earned at UCF within the department.

EARLY CHILDHOOD EDUCATION: Minor

PRE-KINDERGARTEN-PRIMARY (PK-3)

College of Education
Department of Child, Family and Community Sciences
ED 209, E-mail: ece@mail.ucf.edu
http://education.ucf.edu/ece/
Program Coordinator: Judy Levin, ED 122L, 407-823-4615, E-mail: jlevin@mail.ucf.edu

The Early Childhood Education minor is intended to provide a limited, but substantive experience in the fields of education and early childhood education. The minor is intended for University students enrolled outside the College of Education and does not lead to teacher certification or admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career working with young children in the fields of education, early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student's major program. This minor is available for students in the 2003 catalog year and beyond.

Total Credit Hour Requirements 21 hrs

Required Courses 18 hrs
ECO 4661 Early Childhood Education Theory and Practice 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
ECO 4268 Curriculum Activities in Early Childhood 3 hrs
ECO 4604 Class Mgmt & Guid Yng Child 3 hrs
ECO 3700 Social and Emotional Development of Young 3 hrs
Children
EEX 3450 Young Children with Special Needs 3 hrs

Restricted Electives (select one) 3 hrs
EEX 4751 Parent Involvement 3 hrs
ECC 4303 Planning Creative Activities in Early Childhood 3 hrs
MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
SCE 4304 Science Curriculum and Assessment in Early Childhood 3 hrs
RED 4311 Primary Reading, Writing and Language Arts 3 hrs

Note: Completion of all parts of the CLAST with appropriate passing scores, not alternatives, or completion of an A.A. degree from a Florida public post secondary institution, including completion of CLAST with appropriate scores or alternatives.
EDUCATION: Minor
Open to non-education majors
College of Education
Department of Educational Studies, ED 206E
http://education.ucf.edu/
Program Coordinator: W. Scott Wise, ED 220B, 407-823-1502, E-mail: wwise@mail.ucf.edu

The Education minor is intended to provide for university students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education. This minor is available for students in the 2007 catalog year and beyond.

Credit Hour Requirements
Core Courses (15 hrs)
EDF 4603 Analysis & Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EDF 4467 Learning Theory & Assessment 3 hrs
EDC 4410 Teaching Strategies & Classroom Management through Grade Twelve 3 hrs
RED 4043 Content Reading in Kindergarten in Schools 3 hrs
TSL 4080 Theory & Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives (select one) (3 hrs)
MAE 4834 Programs in Teaching Mathematics 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs
LAE 4464 Introduction to Adolescent Literature 3 hrs
LAE 4542 Teaching Language/Composition 3 hrs
SSE 4936 Programs in Teaching Social Science 3 hrs

Other Requirements:
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Note:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY: Minor
College of Health and Public Affairs
Department of Public Administration, HPA2 238
Contact: Naim Kapucu, 407-823-2604, E-mail: nkapucu@mail.ucf.edu

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycles, including emergency preparedness, prevention/mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or private and nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross and state and local emergency management and homeland security agencies.

Credit Hour Requirements 18 hrs

Core Courses (15 hrs)
PAD 4110 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 (select one) (3 hrs)
DSC 4012 Conflict & Terrorism 3 hrs
DSC 4013 Homeland Security and Criminal Justice 3 hrs

Other Requirements:
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.

ENERGY AND SUSTAINABILITY: INTERDISCIPLINARY Minor
College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
http://www.cecs.ucf.edu/
Contact: Paul Edlen, 407-823-2455, E-mail: paulea@mail.ucf.edu

Participants in the proposed minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.

Admissions Criteria:
A minimum GPA of 2.25 is required for acceptance into this minor degree program.

Credit Hour Requirements 18 hrs

Required Courses (9 hrs)
IDS 2150 Foundations of Environmental Studies 3 hrs
EGN 4824 Energy and Society 3 hrs
IDS 4XXX Advanced Topics in Energy and Sustainability 3 hrs

Select one course from the following two courses:
GEE 4152 Technological Entrepreneurship 3 hrs
IDS 4949 Internship 3 hrs

Internship proposals must be approved by the Energy Sustainability Minor program coordinator in coordination with faculty from the Office of Experiential Learning.

Restricted Elective Courses (6 hrs)
Select any two elective courses from the following courses:

Renewable Energy
- EEL 4216 Fundamentals of Electric Power Systems 3 hrs
- EGN 4300C Hydrogen Production and Handling 3 hrs
- EGN 4731C Fuel Cell Technologies 3 hrs

Mechanical Energy Systems Design
- ETM 4220 Applied Energy Systems 4 hrs
- EML 4454 Turbines for Sustainable Power 3 hrs
- EML 4600 HVAC Systems Engineering 3 hrs
- EML 4602 Applied HVAC Engineering 3 hrs
- EML 4411 Mechanical Power Systems 3 hrs

Water, Environment and Waste Management
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- ENV 4120 Air Pollution Design 3 hrs
- ENV 4341 Solid and Hazardous Waste Management 4 hrs
- ENV 4561 Environmental Engineering Process Design 4 hrs

Business and Public Policy
- REE 3614 Environmental Issues in Real Estate 3 hrs
- ECP 3302 Economics and the Environment 3 hrs
- ECP 4302 Environment and Natural Resource Economics 3 hrs

Social and Ethical Dimensions
- INR 4350 Global Environmental Politics 3 hrs
- INR 4351 International Environmental Law 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PHI 3640 Environmental Ethics 3 hrs
- PLA 4554 Environmental Law 3 hrs
- PUR 3203 Environmental Politics 3 hrs
- PUR 4209 Urban Environmental Policy 3 hrs
- SYD 4510 Environmental Sociology 3 hrs
Minors

Other Requirements

- A minimum grade of "C" (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.

ENGINEERING LEADERSHIP: Minor
College of Engineering and Computer Science
Department of Industrial Engineering & Management Systems, ENG 312, 407-823-2204
http://www.iems.ucf.edu

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student's marketability, preparation and career viability as they enter the engineering profession.

Credit Hour Requirements 18 hrs

Admission Requirement
Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant's resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.

Required Courses (18 hrs)

- EGN 3613 Engineering Economy 2 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 4191C Engineering Leadership I (Fall) 2 hrs
- EIN 4192C Engineering Leadership II (Spring) 2 hrs
- Two Engineering Design courses 6 hrs

Other Requirements

- A minimum GPA of 3.0 is required for acceptance into this minor degree program.
- A cumulative GPA of 2.0 is required to successfully complete the minor.
- Students must have a Grade of "C" (2.0) or better in all courses in the minor.
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.
- Only open to CECS undergraduate students

ENGLISH - LITERATURE: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Credit Hour Requirements 21 hrs

Required Course

- CRW 3013 Creative Writing for English Majors 3 hrs

Restricted Elective Courses (6 hrs)

Select one course after completing CRW 3013

- CRW 3120 Fiction Writing Workshop
- CRW 3121 Creative Nonfiction Writing
- CRW 3310 Poetry Writing Workshop
- CRW 3610 Writing Scripts Workshop

Select one course

- CRW 4122 Advanced Fiction Writing Workshop (PR: CRW 3120)
- CRW 4224 Advanced Nonfiction Workshop (PR: CRW 3121)
- CRW 4320 Advanced Poetry Writing Workshop (PR: CRW 3310)
- CRW 4616 Advanced Script Writing Workshop (PR: CRW 3610)

Restricted Upper Division Electives (12 hrs)

- CRW 3311 Structure of Verse
- CRW 4114 History of Prose Style
- Any of the above courses not already used

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - LINGUISTICS: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Credit Hour Requirements 18 hrs

Required Courses (9 hrs)

- LIN 4105 Introduction to Linguistics 3 hrs
- LIN 4801 History of the English Language 3 hrs
- LIN 4680 Modern English Grammar 3 hrs

Restricted Upper Division Electives (9 hrs)

- LIN 4643 Cross Cultural Communication
- LIN 4660 Linguistics and Literature
- LIN 5137 Linguistics
- ANT 3640 Language and Culture
- PHI 4400 Philosophy of Science
- PHI 4221 Philosophy of Language
- SPA 3112 Basic Phonetics
- or any course approved by the Linguistics Committee

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - LITERARY STUDIES: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-2212

Credit Hour Requirements 21 hrs

Required Course (3 hrs)

- ENG 3014 Theories and Techniques of Lit Study
  (PR for all 4000 level AML, ENG, ENL, and Lit courses)

Restricted Upper Division Electives (18 hrs)

English courses with AML, ENG, ENL, or Lit prefixes chosen by student and departmental advisor

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - TECHNICAL COMMUNICATION: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu
Contact: D. Wallace, 407-823-1159

Credit Hour Requirements 18 hrs

Choose 18 hours from the following Required courses

- ENC 3211 Theory & Practice of Tech Writing 3 hrs
- ENC 3341 Writing for the Technical Professional 3 hrs
- ENC 4215 Technical Publication and Project Management 3 hrs
- ENC 3408 The Visual in Technical Communication 3 hrs
- ENC 4280 Technical Writing Style 3 hrs
- ENC 4293 Documentation and the Collaborative Process 3 hrs
- ENC 4294 Documentation and Client-Based Collaboration 3 hrs

Students completing the minor may intern with a Central Florida corporation

No credit by exam (TSD, Military credit) may be used.

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Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - WRITING: Minor
College of Arts and Humanities
Department of English, CNH 405
http://english.cah.ucf.edu
E-mail: english@ucf.edu

Credit Hour Requirements
- 18 hrs

Restricted Elective Courses
Any 3000 or 4000 level ENC or CRW classes for which the student has met the prerequisites, including
- CRW 3013 Creative Writing for English Majors
- CRW 3120 Fiction Writing Workshop
- CRW 3211 Creative Nonfiction Writing
- CRW 3310 Poetry Writing Workshop
- CRW 3311 Structure of Verse
- CRW 3610 Writing Scripts
- CRW 4122 Advanced Fiction Writing Workshop
- CRW 4123 Science Fiction Writing
- CRW 4224 Advanced Nonfiction Workshop
- CRW 4320 Advanced Poetry Writing Workshop
- CRW 4616 Advanced Script Writing
- ENC 3211 Theory and Practice of Technical Writing
- ENC 3241 Writing for the Technical Professional
- ENC 3250 Professional Writing
- ENC 3310 Magazine Writing I
- ENC 3311 Advanced Expository Writing

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH LANGUAGE ARTS EDUCATION: Minor
(Open to Non-English Language Arts Education Majors)
College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/englished/
Program Coordinator: Jeff Kaplan, ED 122B, 407-823-2041;
E-mail: jkaplan@mail.ucf.edu

The English Language Arts Education minor is intended for non-
English Language Arts Education majors. It is well suited for stu-
dents majoring in another secondary content area or as an area for
students enrolled in Interdisciplinary Studies. This minor is available
for students in the 2008 catalog year and beyond.

Credit Hour Requirements
- 18 hrs

EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students In Schools 3 hrs
RED 4043 Content Reading Kindergarten thru Grade 12 3 hrs
LAE 4360 English Instructional Analysis 3 hrs
LAE 4342 Teaching Language and Composition 3 hrs

Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program require-
ments or its equivalent, i.e. an A.A. degree from an approved
Florida community college or state university

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 sh of courses in English Language
Arts as co-requisites
- At least 12 hours in the minor must be earned at UCF

ENTREPRENEURSHIP: Business Minor
(Open to Business Students)
College of Business Administration
Management Department, BA 309

Credit Hour Requirements
- 18 hrs

Required Courses
- MAN 3301 Human Resource Management
- MAN 4802 Entrepreneurship
- MAR 3391 Professional Sales or MAR 3641 Marketing Intelligence
- GEB 4111 New Venture Finance
- GEB 4110 Business Plan Preparation

Restrictive Elective
- Any 3000 or 4000 MAN course or BUL 4540 not in COB Common
Body of Knowledge

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy
the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are
not accepted.
- Courses taken at community colleges do not substitute for upper
division courses.
- Courses transferred must be formally evaluated for equivalency
credit. The student must provide a course syllabus and any
other supporting information with his/her petition for this evalua-
tion.
- 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 can-
ot 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 pro-
gram.

ENTREPRENEURSHIP: Minor
College of Business Administration
Department of Management, BA 309

Credit Hour Requirements
- 18 hrs

Required Introductory Courses
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- GEB 3113 How to Start a Business 3 hrs
- or MAN 3301 Human Resource Management 3 hrs

Required Entrepreneurship Courses
- MAN 4802 Entrepreneurship 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- GEB 4110 Business Plan Preparation 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy
the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are
not accepted.
- At least nine hours used in the minor must be earned at UCF
within the department.
- No credit by exam (TSD, Military credit) may be used.
- A maximum of six hours of required or elective coursework can
count toward another major or minor degree program.

ENVIRONMENTAL STUDIES: Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Contact: Interdisciplinary Studies Advising Team, 407-823-0144

The Environmental Studies minor is an interdisciplinary program
that prepares students for a diverse set of academic endeavors and
careers. It delivers the tradition of a liberal arts education with the
rigor of the natural and social sciences, providing the introspec-
tive and artistic presentation of the humanities with the inquisitiveness
that we share concerning our environment.
**Minors**

**Credit Hour Requirements:** 21 hrs  
**Note:** It is the student's responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.  

### Required Course
- **ENP 3150** Foundations of Environmental Studies 3 hrs

### Science & Environmental Electives  
- **BSC 2055L** Biology and Environment + Lab 3 hrs  
- **BSC 2011C** Biology II 3 hrs  
- **BOT 3152C** Local Flora 3 hrs  
- **BOT 4152C** Florida Wildflowers 3 hrs  
- **BOT 3800** Ethnobotany 3 hrs  
- **BOT 4303C** Plant Kingdom 3 hrs  
- **BOT 4605C** Conservation and Management of Native Plants 3 hrs  
- **BOT 4713C** Plant Taxonomy 3 hrs  
- **BSC 4312C** Marine Biology 3 hrs  
- **OCE 3008** Oceanography 3 hrs  
- **PCB 3044GL** Principles of Ecology and Lab 3 hrs  
- **PCB 344J** Florida Aquatic Ecology 3 hrs  
- **PCB 4302C** Physicochemical Limnology 3 hrs  
- **PCB 4303C** Biological Limnology 3 hrs  
- **PCB 4603** Evolutionary Biology 3 hrs  
- **CHM 3120** Analytical Chemistry 3 hrs  
- **HSC 4500** Epidemiology 3 hrs  
- **ENV 3001** Introduction to Environmental Engineering 3 hrs  
- **ENV 4341** Solid Waste Management 3 hrs  
- **PCB 3063** Genetics 3 hrs  
- **PCB 3304C** River Ecology 3 hrs  
- **PCB 3314** Marine Biodiversity 3 hrs

### Social & Humanities Electives  
- **ECP 3302** Economics and the Environment or 3 hrs  
- **ECP 4302** Economics of the Environment 3 hrs  
- **ECO 4701** The Global Economy 3 hrs  
- **INR 4351** International Environmental Law 3 hrs  
- **PUP 3203** Environmental Politics 3 hrs  
- **PUP 4503** Government and Science 3 hrs  
- **PAD 4351** Issues in Environmental Program Management 3 hrs  
- **PAD 3330** Urban and Regional Planning 3 hrs  
- **PLA 4554** Land Use and Environmental Law 3 hrs  
- **PUP 4204** Sustainability 3 hrs  
- **GEO 2370** Resources Geography 3 hrs  
- **GIS 3043C** GIS for Environmental Studies 3 hrs  
- **GIS 4301C** Advanced GIS Applications in Environmental Studies 3 hrs  
- **GIS 4035C** Remote Sensing of the Environment 3 hrs  
- **PHI 3033** Philosophy, Religion, and the Environment 3 hrs  
- **PHI 4400** Philosophy of Science 3 hrs  
- **PHI 3640** Environmental Ethics 3 hrs  
- **PHI 4633** Ethics and Biological Science 3 hrs  
- **PHM 4031** Environmental Philosophy 3 hrs

### Other Requirements
- A grade of "C" or above (2.0) is required in each course used to satisfy the minor.  
- 18 hours must be taken at the upper division.  
- At least 15 hours used in the minor must be earned at UCF.  
- No credit by exam (TSD, Military credit) may be used.  
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisors to be used toward the minor.  
- Internship, independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisors.

### EUROPEAN STUDIES: Minor
- **College of Sciences**  
- **Department of Political Science, PH 302**  
- [http://www.cos.ucf.edu/politicalscience](http://www.cos.ucf.edu/politicalscience)  
- **E-mail:** politics@mail.ucf.edu  
- **Contact:** Kerstin Hamann, 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the director of European Studies.

### Credit hour requirements: 21 hrs

Students are responsible for meeting any prerequisites for the courses in the minor.

### Required core courses:  
- **CPO 4101** Politics of the European Union 6 hrs  
- **LIT 3082** Continental European Fiction since 1900

### Restricted Electives:  
- **Literature, Film, and Culture:** 12 hrs  
  - **ENL 2022** English Literature II  
  - **ENL 4101** English Novels  
  - **ENL 4240** English Romantic Writers  
  - **ENL 4262** 19th Century British Prose  
  - **ENL 4273** Modern British Literature  
  - **FIL 3820** Italian Film  
  - **FIL 3822** French Film  
  - **FIL 3823** German Film  
  - **FRE 4500** French Civilization and Culture  
  - **FRW 4281** 20th Century French Novels  
  - **FRW 4324** 20th Century French Drama  
  - **FRW 4532** French Romanticism  
  - **FRW 4552** Nineteenth Century French Literature  
  - **GER 3102** Germany - Past to Present  
  - **GER 4520** Modern Germany  
  - **GER 3101** Survey of German Literature II  
  - **GER 3370** German Short Story  
  - **GER 3480** German Post-War Literature  
  - **GER 4482** German Children's Literature  
  - **GEW 4531** The Age of Goethe and Schiller  
  - **ITT 4956** Study Abroad: Italian Civilization  
  - **ITW 4101** Survey of Italian Literature II  
  - **JST 4751** Literature of the Holocaust  
  - **LIT 4184** Irish Literature  
  - **MUL 3604** German Song Literature  
  - **MUL 3605** French Song Literature  
  - **SPW 3101** Survey of Spanish Literature  
  - **SPW 3370** Spanish Short Story  
  - **SPW 4272** 20th Century Spanish Novel  
  - **SPW 4322** Contemporary Iberian Theatre  
  - **SPW 4450** Spanish Literary Theory  
  - **SPW 4460** Nineteenth Century Spanish Literature  
  - **SPW 4720** The Generation of 1898

### History  
- **(6 hrs)**  
  - **EUH 3235** Romanticism and Realism  
  - **EUH 3242** Modern Europe and the First World War  
  - **EUH 3281** Second World War and Rebirth of Europe  
  - **EUH 3315** History of Modern Spain  
  - **EUH 3411** Ancient Rome  
  - **EUH 3431** History of Modern Italy  
  - **EUH 3451** History of Modern France  
  - **EUH 4284** Fascism and the Totalitarian Dictatorships  
  - **EUH 4400** The History of Ancient Greece  
  - **EUH 4465** Hitler's Third Reich  
  - **EUH 4501** English History: 1485-1815  
  - **EUH 4502** English History: 1815-Present  
  - **EUH 4574** History of Russia: 1801-1917  
  - **EUH 4576** History of Russia in the 20th Century  
  - **EUH 4592** 20th Century Russian Diplomatic History  
  - **EUH 4610** Women in European Society  
  - **EUH 4620** European Great Powers: 1815-1914  
  - **GER 4510** Life and Culture in Nazi Germany  
  - **JST 3701** History of the Holocaust

### Political Science or Economics  
- **(3 hrs)**  
  - **CPO 3104** Politics of Western Europe  
  - **CPO 3614** Politics of Eastern Europe  
  - **CPO 4074** Political Economy  
  - **CPO 4123** Government and Politics of Great Britain  
  - **CPO 4445** Comparative Political Parties  
  - **CPO 4643** Government and Politics of Russia  
  - **ECO 3703** International Trade  
  - **INR 4035** International Political Economy

### Other:
- **(3 Hrs)**  
  - may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or  
  - **ARH 4430** 19th Century Art  
  - **ARH 4450** 20th Century Art  
  - **PHH 3510** Marx and Nietzsche  
  - **PHP 3783** Modernity as a Philosophical Problem  
  - **PHP 3786** Existentialism  
  - **PHP 4782** Phenomenology

### Foreign Language Requirement:
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

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EXCEPTIONAL EDUCATION: Minor
College of Education
Department of Child, Family and Community Sciences
ED 209
http://www.education.ucf.edu
Program Contact: Linda Alexander, ED 315, 407-823-2598;
E-mail: lalexand@mail.ucf.edu
The Exceptional Education minor is intended to provide a limited,
but substantive experience in the fields of education and exceptional
children. The minor is appropriate for students who are seeking an
enhanced understanding of exceptional education or are consider-
ing a career in the field of education or related fields. This minor
will strengthen the marketability of the student’s major program. This
minor is available for students in the 2001 catalog year and beyond.
The minor does not lead to teacher certification nor admission to the
College of Education.
Credit Hour Requirements
Required Courses

- EEX 3221 Assessment of Exceptional Students (3 hrs)
- EEX 3241 Methods for Academic Skills for Exceptional Students (3 hrs)
- EEX 4242 Teaching Exceptional Students in Secondary Settings (3 hrs)
- EEX 4763 Tech for Classroom Teachers of Students with Spec Needs (3 hrs)

Choose the appropriate Restricted Electives as follows:
- Choose either an elementary or secondary focus.

Elective Restricted Electives (6 hrs)

- EEX 4070 Teaching Exceptional Students (3 hrs)
- EEX 3241 Methods for Academic Skills for Exceptional Students (3 hrs)
- EEX 3221 Assessment of Exceptional Students (3 hrs)

Secondary Restricted Electives

- EEX 4242 Teaching Exceptional Students in Secondary Settings (3 hrs)
- FIN 4424 Advanced Topics in Financial Management (3 hrs)
- FIN 4453 Financial Models (3 hrs)
- FIN 4514 Portfolio Analysis and Management (3 hrs)
- FIN 4533 Financial Derivatives (3 hrs)
- FIN 4553C Business Finance (4 hrs)
- FIN 3414 Intermediate Corporate Finance (3 hrs)
- FIN 3461 Financial Statement Analysis (3 hrs)
- FIN 3504 Investment Analysis (3 hrs)
- FIN 3534 Financial Institutions (3 hrs)
- FIN 3611 Principles of Managerial Accounting (3 hrs)
- FIN 3632 Commercial Bank Management (3 hrs)
- FIN 3642 Advanced Topics in Financial Management (3 hrs)
- FIN 3662 Principles of Marketing (3 hrs)
- FIN 3681 Principles of Financial Economics (3 hrs)
- FIN 4070 Risk Management and Insurance (3 hrs)

Other Requirements

- Completion of all parts of the CLAST with appropriate passing
  scores (no alternatives or waivers), or completion of an AA degree from a Florida public post
  secondary institution, including completion of CLAST with appropriate scores or alternatives.
- A minimum GPA of 2.5 of all Gordon Rule classes including ENC 1101, 1102, and two college
  level math courses, MAC 1105 or higher, is required.
- No credit by exam (CLEP, Military credit) may be used.
Transfer credits from other universities will be considered.

FINANCE: Minor
Open to Business and Non-Business Students
College of Business Administration
Department of Finance, BA 409
http://www.bus.ucf.edu/finance
Not available to Finance Majors
Credit Hour Requirements

Required courses

- FIN 2100 Personal Finance and Investments (3 hrs)
- FIN 3403C Business Finance (4 hrs)
- FIN 3404 Principles of Managerial Accounting (3 hrs)
- FIN 3504 Investment Analysis (3 hrs)
- FIN 3534 Financial Institutions (3 hrs)
- FIN 3611 Principles of Managerial Accounting (3 hrs)
- FIN 3632 Commercial Bank Management (3 hrs)
- FIN 3642 Advanced Topics in Financial Management (3 hrs)
- FIN 3662 Principles of Marketing (3 hrs)
- FIN 3681 Principles of Financial Economics (3 hrs)
- FIN 4070 Risk Management and Insurance (3 hrs)

Electives (select three of the following) 9 hrs

- FIN 3414 Intermediate Corporate Finance (3 hrs)
- FIN 3461 Financial Statement Analysis (3 hrs)
- FIN 3504 Investment Analysis (3 hrs)
- FIN 3534 Financial Institutions (3 hrs)
- FIN 3611 Principles of Managerial Accounting (3 hrs)
- FIN 3632 Commercial Bank Management (3 hrs)
- FIN 3642 Advanced Topics in Financial Management (3 hrs)
- FIN 3662 Principles of Marketing (3 hrs)
- FIN 3681 Principles of Financial Economics (3 hrs)
- FIN 4070 Risk Management and Insurance (3 hrs)
- FIN 3403C Business Finance (4 hrs)
- FIN 3504 Investment Analysis (3 hrs)
- FIN 3534 Financial Institutions (3 hrs)
- FIN 3611 Principles of Managerial Accounting (3 hrs)
- FIN 3632 Commercial Bank Management (3 hrs)
- FIN 3642 Advanced Topics in Financial Management (3 hrs)
- FIN 3662 Principles of Marketing (3 hrs)
- FIN 3681 Principles of Financial Economics (3 hrs)

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy
  the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are
  not accepted.
- Courses taken at community colleges do not substitute for upper
  division courses.
- Courses transferred must be formally evaluated for equivalency
  credit. The student must provide a course syllabus and any
  other supporting information with his/her petition for this evalua-
  tion.
- At least nine hours used in the minor must be earned at UCF
  within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used
  toward the minor.
- A maximum of six hours of the above listed required or elective
courses can count toward another major or minor degree pro-
gram.
Minors

FITNESS TRAINING: Minor
College of Education
Department of Child, Family and Community Sciences, ED 209
Program Coordinator: Anna Valdes, ED 320H, 352-536-2141; E-mail: asarmien@mail.ucf.edu

The Fitness Training minor is developed to provide the student interested in working in wellness centers as personal trainers the knowledge and experience to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups.

With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

Credit Hour Requirements  *19 hrs
Required Courses
PET 4312 Biomechanics  3 hrs
PET 4550 Fitness Assessment  3 hrs
PET 4083 Practical Fitness Training  3 hrs
  (Take Last - Only offered once a year)
*ZOO 3736C Exercise Physiology Anatomy  4 hrs
  (Take First)

Restricted Electives - Choose 2 classes from the following:
PET 3361 Nutrition for Sports and Fitness  3 hrs
PET 3771 Fitness and Conditioning Concepts  3 hrs
PET 3768 Group Exercise Instruction
PET 4215 Motivational Aspects of Athletic Performance

*A student who has completed a Human Anatomy course with a laboratory requirement at another school, it can be substituted for ZOO3736C.

Note: ZOO 3736C should be taken prior to PET 4312, PET 4550, and PET 4083

Other Requirements
- No grades below “C-” (1.75) and no “S” grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

FRENCH: Minor
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements 18 hrs
Required Courses
PET 3361 Nutrition for Sports and Fitness  3 hrs
PET 3771 Fitness and Conditioning Concepts  3 hrs
PET 3768 Group Exercise Instruction
PET 4215 Motivational Aspects of Athletic Performance

Restricted Electives - Choose six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course. Approval of a departmental advisor is required prior to registration.

Other Requirements
- No credit by examination (TSD, Military credit) may be used.
- A minimum GPA of 2.5 is required. A minimum grade of “C” (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.

HEALTH SERVICES ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Health Management and Informatics, HPA2 210
Contact: Kendall Cortelyou-Ward, PhD, 407-823-2359, E-mail: hsainfo@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses
HSA 3111 U.S. Health Care Systems  3 hrs
HSC 4201 Community Health Services  3 hrs
HSA 4180 Org and Management for Health Agencies I  3 hrs
HSA 4191 Health Care Automation  3 hrs
HSC 4500 Epidemiology  3 hrs

Other Requirements
- Majors may not count courses presently required in a department program.
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

HEALTH SERVICES ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Health Management and Informatics, HPA2 210
Contact: Kendall Cortelyou-Ward, PhD, 407-823-2359, E-mail: hsainfo@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses
HSA 3111 U.S. Health Care Systems  3 hrs
HSC 4201 Community Health Services  3 hrs
HSA 4180 Org and Management for Health Agencies I  3 hrs
HSA 4191 Health Care Automation  3 hrs
HSC 4500 Epidemiology  3 hrs

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 SCIENCES: Minor
College of Health and Public Affairs
Department of Health Professions, HPA2 212
Contact: L.Timothy Worrell, 407-823-5236, E-mail: worrell@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses
HIM 3006 Foundations of Health Information Management  3 hrs
HIM 4506C Quality Management  3 hrs
HIM 4656C Health Information Management Systems  3 hrs
HSC 3537 Medical Terminology  3 hrs
HIM 4226C Coding Procedures I  5 hrs
HIM 4256C Coding Procedures II  3 hrs

Restricted Upper Division Electives
* 9 additional hours of upper division courses in the Health Professions department.

Other Requirements
- Majors may not count courses presently required in a department program.
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

HEALTH INFORMATION MANAGEMENT: Minor
College of Health and Public Affairs
Department of Health Management and Informatics, HPA2 210
Contact: Alice M. Noblin, RHIA, 407-823-2353, E-mail: anoblin@mail.ucf.edu

Credit Hour Requirements 20 hrs
Required Courses
(20 hrs)
HIM 3006 Foundations of Health Information Management  3 hrs
HIM 4506C Quality Management  3 hrs
HIM 4656C Health Information Management Systems  3 hrs
HSC 3537 Medical Terminology  3 hrs
HIM 4226C Coding Procedures I  5 hrs
HIM 4256C Coding Procedures II  3 hrs

Other Requirements
- A minimum overall GPA of 2.5 is required. A minimum grade of “C” (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.

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.
Minors

HUMANITIES: Minor
College of Arts and Humanities
Department of Philosophy, PSY 220
http://www.cah.ucf.edu/philosophy
E-mail: philosophy@ucf.edu

Contact: Ann Maukonen, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

Credit Hour Requirements 21 hrs

Humanities Foundations 6 hrs
Select two courses:
HUM 3431 Ancient Humanities
HUM 3435 Medieval Humanities
HUM 3255 Modern Humanities
HUM 3252 Contemporary Humanities

Humanistic/Religious Traditions 6 hrs
Select two courses:
HUM 3401 Asian Humanities
HUM 3417 Hindu Thought and Culture
HUM 3419 Islamic Thought and Culture
HUM 3552 Christian Thought
HUM 3553 Moses, Jesus and Muhammad
ANT 3245 Native American Religions
PHI 3701 Native American Philosophy
JST 3401 The Jewish People I

Applications 6 hrs
Select two courses:
PHI 3083 Philosophy and Creativity
PHI 3033 Philosophy, Religion, and the Environment
PHM 3123 Feminist Theories
REL 3115 Religion, Spirituality, and Popular Music
REL 3111 Religion and Philosophy through Film
HUM 4554 Religious Quest and the Human Dilemma
HUM 4330 Performance Theory
PHI 3022 Sexuality, Gender & Philosophy
PHI 3638 Ethical Issues in the 21st Century
PHI 4321 Philosophies of Embodiment: Mind/Body/Self

Upper Division Restricted Elective 3 hrs
Select one additional course from the above list or from the following:
HUM 3320 Contemporary Multicultural Studies
HUM 4301 Classical Ideal
HUM 4303 Spiritual Ideal
PHI 4804 Critical Theory
PHI 3800 Aesthetics
PHI 3700 Philosophy of Religion
CLT 3370 Classical Mythology
CLT 3378 Comparative Mythology

Other Requirements
■ A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Applications
Select two courses:
PHI 3083 Philosophy and Creativity
PHI 3033 Philosophy, Religion, and the Environment
PHM 3123 Feminist Theories
REL 3115 Religion, Spirituality, and Popular Music
REL 3111 Religion and Philosophy through Film
HUM 4554 Religious Quest and the Human Dilemma
HUM 4330 Performance Theory
PHI 3022 Sexuality, Gender & Philosophy
PHI 3638 Ethical Issues in the 21st Century
PHI 4321 Philosophies of Embodiment: Mind/Body/Self

Upper Division Restricted Elective
Select one additional course from the above list or from the following:
HUM 3320 Contemporary Multicultural Studies
HUM 4301 Classical Ideal
HUM 4303 Spiritual Ideal
PHI 4804 Critical Theory
PHI 3800 Aesthetics
PHI 3700 Philosophy of Religion
CLT 3370 Classical Mythology
CLT 3378 Comparative Mythology

Other Requirements
■ A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ No more than two courses (i.e. six credit hours) of 3000 or 4000 level courses applied to the Humanities Minor may be simultaneously applied to fulfill another major.

HISTORY: Minor
College of Arts and Humanities
Department of History, CNH 551
http://www.history.cah.ucf.edu/
E-mail: history@ucf.edu
Contact: Rosalind J. Beiler, 407-823-2225

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

Credit Hour Requirements 21 hrs

Humanities Foundations 6 hrs
Select two courses:
HUM 3431 Ancient Humanities
HUM 3435 Medieval Humanities
HUM 3255 Modern Humanities
HUM 3252 Contemporary Humanities

Humanistic/Religious Traditions 6 hrs
Select two courses:
HUM 3401 Asian Humanities
HUM 3417 Hindu Thought and Culture
HUM 3419 Islamic Thought and Culture
HUM 3552 Christian Thought
HUM 3553 Moses, Jesus and Muhammad
ANT 3245 Native American Religions
PHI 3701 Native American Philosophy
JST 3401 The Jewish People I

Applications 6 hrs
Select two courses:
PHI 3083 Philosophy and Creativity
PHI 3033 Philosophy, Religion, and the Environment
PHM 3123 Feminist Theories
REL 3115 Religion, Spirituality, and Popular Music
REL 3111 Religion and Philosophy through Film
HUM 4554 Religious Quest and the Human Dilemma
HUM 4330 Performance Theory
PHI 3022 Sexuality, Gender & Philosophy
PHI 3638 Ethical Issues in the 21st Century
PHI 4321 Philosophies of Embodiment: Mind/Body/Self

Upper Division Restricted Elective 3 hrs
Select one additional course from the above list or from the following:
HUM 3320 Contemporary Multicultural Studies
HUM 4301 Classical Ideal
HUM 4303 Spiritual Ideal
PHI 4804 Critical Theory
PHI 3800 Aesthetics
PHI 3700 Philosophy of Religion
CLT 3370 Classical Mythology
CLT 3378 Comparative Mythology

Other Requirements
■ A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ No more than two courses (i.e. six credit hours) of 3000 or 4000 level courses applied to the Humanities Minor may be simultaneously applied to fulfill another major.

HOSPITALITY MANAGEMENT: Minor
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

Credit Hour Requirements 18 hrs

Required Courses 18 hrs
HBT 1000 Introduction to Hospitality Management 3 hrs
HBT 3540 Guest Services Management 3 hrs

Choose any two courses from the following: 6 hrs
HBT 2401 Hospitality Financial Accounting 3 hrs
HBT 3431 Hospitality Managerial Accounting 3 hrs
HBT 2500 Hospitality Marketing 3 hrs
HBT 2220 Hospitality Human Resource Management 3 hrs
HBT 3444 Hospitality Information Systems 3 hrs
HBT 3663 Legal Environment in Hospitality 3 hrs
HBT 4464 Hospitality Industry Finance 3 hrs
HBT 4286 Hospitality Communications 3 hrs

Choose any two courses from the following: 6 hrs
HBT 3700 Tourism Management 3 hrs
HBT 3263 Restaurant Management 3 hrs
HBT 3273 Principles of Resort Time Sharing 3 hrs
HBT 4755 Theme Park & Attractions Mgmt 3 hrs
HBT 2750 The Event Industry 3 hrs
FSS 2221C Quantity Food Preparation 3 hrs
HBT 2254 Lodging Operations 3 hrs
HBT 4277 Yacht, Country, and City Club Management 3 hrs

Other Requirements
■ A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all courses for the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

Applications
Select two courses:
PHI 3083 Philosophy and Creativity
PHI 3033 Philosophy, Religion, and the Environment
PHM 3123 Feminist Theories
REL 3115 Religion, Spirituality, and Popular Music
REL 3111 Religion and Philosophy through Film
HUM 4554 Religious Quest and the Human Dilemma
HUM 4330 Performance Theory
PHI 3022 Sexuality, Gender & Philosophy
PHI 3638 Ethical Issues in the 21st Century
PHI 4321 Philosophies of Embodiment: Mind/Body/Self

Upper Division Restricted Elective 3 hrs
Select one additional course from the above list or from the following:
HUM 3320 Contemporary Multicultural Studies
HUM 4301 Classical Ideal
HUM 4303 Spiritual Ideal
PHI 4804 Critical Theory
PHI 3800 Aesthetics
PHI 3700 Philosophy of Religion
CLT 3370 Classical Mythology
CLT 3378 Comparative Mythology

Other Requirements
■ A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ No more than two courses (i.e. six credit hours) of 3000 or 4000 level courses applied to the Humanities Minor may be simultaneously applied to fulfill another major.

Other 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 Final Exam Week only.
■ Internship or Independent Study credit cannot be used toward the minor.

 Restricted Elective (3 hrs)
HSC 4652 Health Care Law & Ethics or 3 hrs
HSA 4109 Managed Care or 3 hrs
HSA 4502 Risk Management or 3 hrs
HIM 4506 Quality Management or 3 hrs
HSA 4702 Health Science Research Methods

(Additional prerequisite courses may be required)
Minors

INFORMATION TECHNOLOGY: Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr, Rm 246
http://www.eecs.ucf.edu
Contact: Mark Llewellyn, E-mail: Mark@cs.ucf.edu

Credit Hour Requirements 18-19 hours
Required Courses (3-7 hrs)
Select one of the following options:
Option 1 (Not open to Computer Science Minors or Interdisciplinary Studies Majors):
CGS 1060C or CGS 2100C 3 hrs
COP 2500C Concepts in Computer Science 4 hrs
Option 2 (Not open to Computer Science Minors or Interdisciplinary Studies Majors):
COP 3223 Intro to Programming with C 3 hrs
COP 3502C Computer Science I 3 hrs
Option 3 (Computer Science Minors and Interdisciplinary Studies Majors Only):
CGS 1060C or CGS 2100C 3 hrs

Restricted Electives (9 hrs)
Select from the following:
CGS 2545C Database Concepts 3 hrs
CGS 2585C Desktop/Internet Publishing 3 hrs
CGS 3175 Internet Applications 3 hrs
CGS 3269 Computer Architecture Concepts 3 hrs
CNT 3004 Computer Networks Concepts 3 hrs
CGS 3763 Operating Systems Concepts 3 hrs

College Electives (3-6 hrs)
Options 1 and 2 3 hrs
Options 3 6 hrs
Any upper division courses offered within Computer Science at UCF or additional courses chosen from the restricted electives (exclusive of independent studies, internship, and those courses listed under Required Courses). See other requirements.

Other Requirements
- Not open to Information Technology majors.
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least nine hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSO, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

INTELLIGENT ROBOTIC SYSTEMS (IRS):
INTERDISCIPLINARY Minor
College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
http://www.cecs.ucf.edu
Contact: Paul Edlen, 407-823-2455, E-mail: paule@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
EGN 3060C Introduction to Robotics 3 hrs
Select two courses from the following five courses:
Control Systems
EEL 3657 Linear Control Systems 3 hrs
EML 4312C Feedback Control 3 hrs
Manipulation and Rigid Body Motion
EGN 3321 Engineering Analysis – Dynamics 3 hrs
EML 3262 Kinematics of Mechanism 3 hrs
Computer Vision and Intelligent Systems
CAP 4453 Robot Vision 3 hrs
If a student chooses to take a third course, it will be counted as an elective.

Elective Courses (9 hrs)
Select any three elective courses from the following courses:
Path Planning, Autonomous Systems, Controls, Signal/Image Processing
EEL 5669 Autonomous Robotic Systems 3 hrs
EEL 4612 Intro to Modern and Robust Ctrl 3 hrs
EEL 4750 Digital Signal Proc Fund 3 hrs
EEL 5173 Linear Systems Theory 3 hrs
EEL 5513 DSP Applications 3 hrs
EEL 5630 Digital Control Systems 3 hrs
EEL 5820 Image Processing 3 hrs
EEL 5825 Pattern Recognition 3 hrs
EML 5311 System Control 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- Students whose major requires senior design courses are encouraged to take the multidisciplinary senior design course (EGN 4412C and EGN 4413C) and to undertake a project in intelligent robotic systems.
- A high-level programming language class (EGN 3211 or COP 3223 or equivalent) is required for the minor.
- No credit by exam (TSO, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

INTERDISCIPLINARY INFORMATICS TECHNOLOGY
(I²Tech): Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
http://www.eecs.ucf.edu/I2Tech/
Contact: Mark Llewellyn, E-mail: mark@cs.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
CET 3010 Introduction to Information Technology or EEL 3657 Linear Control Systems 3 hrs
CGS 1060C Introduction to Computer Science or COP 3100 Computer Fundamentals for Business or CGS 3175 Internet Applications 3 hrs
COP 3223 Intro to Programming with C or COP 3502C Introduction to Computer Science I or CGS 3175 Internet Applications 3 hrs

Healthcare Informatics Concentration (9 hrs)
CGS 4144 Introduction to Informatics 3 hrs
HIM 3006 Introduction to Health Information Management 3 hrs
HSA 4191 Health Care Automation 3 hrs

Technical Elective
Students should consult with the program coordinator for a list of the approved technical electives.

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include basic computer skills.
- No credit by exam (TSO, Military credit) may be used.

INTERNATIONAL AND GLOBAL STUDIES: MINOR
College of Sciences
Department of Political Science, PH 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: Waltraud Morales, 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Other Requirements
- Double major/dual degree policy in Political Science programs and minors
  1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs
  2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
Required Courses (12 hrs)

- IDS 4315 Global Perspectives
- GEO 3471 World Political Geography

Restricted Political Science Electives (Select one) (3 hrs)

- INR 4030 Diplomacy
- INR 4076 Global Drug Policy
- INR 4075 Human Rights Policy
- INR 4011 Politics of Globalization
- INR 4054 Global Politics of Energy
- INR 4074 Immigration Policy
- INR 4714 Politics of International Trade Policy
- INR 4035 International Political Economy
- INR 4633 International Relations Theory
- INR 4350 Global Environmental Politics

Restricted Area Studies Electives (6 hrs)

Two upper division courses from one of the following area studies programs:

- Asian Studies
- European Studies
- Latin American, Caribbean and Latino Studies
- Middle Eastern Studies

Courses may not have a prefix of INR, CPO, POT, POS or PUP.

Restrictive Electives (3 hrs)

- DSC 4012 Terrorism
- EUH 3651 War and Society
- MMC 4300 International Media
- CPO 3103 Comparative Politics
- CPO 4062 Comparative Judicial Process
- CPO 4074 Political Economy
- CPO 4754 Comparative Political Institutions
- CPO 4710 Women in Comparative Politics
- CPO 4784 Political & Economic Inequality in Comparative Perspective
- CPO 4445 Comparative Political Parties
- SYP 4454 Sociology of the Global System
- THE 3312 Theatre History and Dramatic Lit II

3-one credit Foreign Language across the Curriculum (FLAC) courses

Substitutions require prior approval by the program advisor

Language Requirement (0-14 hrs)

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.

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor without prior departmental permission.

INTERNATIONAL BUSINESS:

Minor for Business Majors

College of Business Administration

Office of Student Support, BA 240

Faculty Contact: Richard Ajayi, 407-823-5908

Credit Hour Requirements 18 hrs

Required Courses

- ECO 3703 International Trade (3 hrs)
- or ECO 4704 International Macroeconomics (3 hrs)
- FIN 4604 International Financial Management (3 hrs)
- MAN 4600 International Management (3 hrs)
- MAR 4156 International Marketing (3 hrs)

Elective

- ECO 3703 International Trade (3 hrs)
- ECO 4704 International Macroeconomics (3 hrs)
- ECO 4701 Seminar in Global Economic Policy (3 hrs)
- ECS 4013 Economics of Developing Areas (3 hrs)
- GEO 3471 World Political Geography (3 hrs)
- INR 4035 International Political Economy (3 hrs)
- INR 4224 Contemporary International Politics of Asia (3 hrs)
- INR 4243 International Politics of Latin America (3 hrs)
- MAR 4724 Strategic Foundations in Global e-Business (3 hrs)

Special Topics Seminars in International Business; GEB Study Abroad, 3000/4000 level foreign language course.

Elective

- IDS 3333 World Comparative Studies (3 hrs)
- GEO 3471 World Political Geography (3 hrs)

(Or an equivalent approved by the program coordinator)

2) Cultural Courses (3 hrs)

It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of three ways, in decreasing order of preference:
Minors

1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available.

2) If this is not possible, then the minor coordinator will select EGN 3940 - Practicum as an acceptable alternative. In this alternative, the student will be paired with a CECS faculty member of the same culture of the country or region where the student seeks to go. The faculty member will assign the student a semester-long project that will entail a technical aspect as well as a cultural aspect.

3) If such a mapping cannot be made, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

3) Study Abroad Experience (9 hrs)
The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students have the option to either:

   (1) complete nine hours of technical coursework (classroom studies) in residence at a partner institution abroad, or

   (2) complete six hours of technical coursework in residence (classroom studies) at a partner institution abroad, plus one semester (three hours) as an engineering or technology intern abroad in a career-related position with a company in the same country or region.

   Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalences of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

INTERPERSONAL/ORGANIZATIONAL COMMUNICATION: Minor
College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
http://communication.cos.ucf.edu
Contact: R. Morales
Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

Credit Hour Requirements
- Required Courses (12 hrs)
  - COM 3311 Communication Research Methods
  - COM 301C Communication and Human Relations
  - COM 3120 Organizational Communication
  - SPC 3301 Interpersonal Communication

- Restricted Electives (9 hrs)
  - SPC 3513 Argumentation & Debate
  - COM 3110 Business & Professional Communication
  - COM 4014 Gender Issues in Communication
  - SPC 4331 Nonverbal Communication
  - SPC 4540 Attitudes and Communication
  - SPC 4426 Group Dynamics
  - COM 4461 Intercultural Communication
  - COM 4462 Conflict Management
  - COM 3013 Communication and the Family
  - COM 3406 Communication and Motivation

Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Other Requirements
- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

ITALIAN: Minor
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements
- Required Courses (or proficiency) in Hebrew (8 hrs)
- Upper Division Courses (18 hrs)

INTERPERSONAL/ORGANIZATIONAL COMMUNICATION: Minor
College of Sciences
Nicholson School of Communication
COMM 238, 407-823-2681
http://communication.cos.ucf.edu
Contact: R. Morales
Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

Credit Hour Requirements
- Required Courses (12 hrs)
  - COM 3311 Communication Research Methods
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  - SPC 4331 Nonverbal Communication
  - SPC 4540 Attitudes and Communication
  - SPC 4426 Group Dynamics
  - COM 4461 Intercultural Communication
  - COM 4462 Conflict Management
  - COM 3013 Communication and the Family
  - COM 3406 Communication and Motivation

Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Other Requirements
- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

ITALIAN: Minor
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements
- Required Courses (or proficiency) in Hebrew (8 hrs)
- Upper Division Courses (18 hrs)

JUDAIC STUDIES: Minor
College of Arts and Humanities
Judaic Studies Program, CNH 415 E-J
http://www.judaicstudies.cah.ucf.edu/
E-mail: judaicst@pegasus.cc.ucf.edu
Program Director: Dr. Moshe Pelli, 407-823-5039
The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The Program cooperates with the departments of English, Modern Languages, History, Philosophy, Political Science, and Sociology/Anthropology, and with the Interdisciplinary Studies and Women’s Studies Programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For Certificate requirements, refer to the section on Judaic Studies Certificate.

Credit Hour Requirements
- Required Courses (or proficiency) in Hebrew (8 hrs)
- Upper Division Courses (18 hrs)

Jewish History
- JST 3401 The Jewish People I
- JST 3402 The Jewish People II
- JST 3481 20th Century Jewish History and Thought
- JST 3550 Introduction of Modernism into Judaism
- JST 3701 History of the Holocaust

Bible
- JST 3120 Hebrew Scriptures
- JST 3125 The Book of Job
- JST 3126 Romantic Love in the Bible
- JST 3144 Dead Sea Scrolls

Literature
- JST 3100 The Hebrew Creative Mind
- JST 3312 Identity and Genre
- JST 3751 Literature of the Holocaust

Culture
- JST 3450 Modern Jewish Experience
- JST 3820 Modern Hebrew Culture
- JST 3910 The Jewish National Movement

Language
- HBR 2200 Intermediate Modern Hebrew Language and Culture I
- HBR 2201 Intermediate Modern Hebrew Language and Culture II
- HBR 3250 Biblical Hebrew
- HBR 3410 Conversational Israeli Hebrew

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
The minor provides students with an interdisciplinary knowledge of, and the necessary skills to relate, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

**Credit Hour Requirements** 18 hrs

**Admission Requirement**
Admission by interview with the Program Director.

**Required Skills**
Successful completion of SPN 1120C and SPN 1121C or demonstration of proficiency.

**Restricted Electives** (18 hrs)
At least six hours must be from one disciplinary group, and at least three hours from two additional groups. The other twelve must be selected from any of the disciplinary groups. Additional courses not listed below may substitute with prior approval from the Program Director.

**Anthropology:**
- ANT 3164 Ancient Incas
- ANT 3165 Maya Archaeology
- ANT 4340 Caribbean Cultures
- ANT 4308 Gender Issues in Latin America
- ANT 3168 Maya Archaeology

**Art History:**
- ARH 4655 Meso American Art
- ARH 3671 Modern Art of Mexico
- ARH 3670 20th Century Latin American Art

**Modern Languages and Literature:**
- SPN 2200 Intermediate Spanish Language & Civilization
- FRW 3770 Francophone Literature
- SPN 3120 Survey of Latin American Literature I
- SPN 3131 Survey of Latin American Literature II
- LIT 3192 Caribbean Literature
- FRW 3752 French Caribbean Literature
- SPN 4382 Literature of Central America
- AML 3615 Harlem, Haiti, and Havana
- AML 4630 Latino/ Latin American Art
- SPN 3852 Bilingualism
- SPN 4730 Hispanic Literature of the United States
- SPN 4780 Spanish Phonetics

**History:**
- LAH 3130 Latin American History I
- LAH 3200 Latin American History II
- LAH 3400 History of Mexico and Central America
- LAH 3470 History of the Caribbean
- AMH 3586 History of the Hispanic minorities in the US

**Latin American Studies:**
- LAS 4906 Independent Study in Latin American, Caribbean and Latino Studies
- LAS 4023 African Caribbean Experience

**Political Science:**
- CPO 4303 Comparative Latin American Politics
- CPO 4243 International Politics of Latin America
- CPO 5334 Contemporary Politics in the Maya Region

**Other Requirements**
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

**LATIN AMERICA AREA STUDIES: Minor**

**College of Arts and Humanities**

**CNH 406 E & 406 F, 407-823-1173 or 1174**

**Program Director:** José M. Maunez-Cuadra, E-mail: jmaunez@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 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.

**Total Credit Hour Requirements** (19+ hrs)

**Foundation Requirement** (4 hrs)
- LDR 1XXX Foundations of Leadership
- LDR 1XXX Intermediate Foundations of Leadership

**Restricted Requirements** (15+ hrs)

**Choose one course from each of the five areas.**

**A. Communication**
- COM 301C Communication and Human Relations
- COM 3120 Organizational Communication
- COM 4461 Intercultural Communication
- COM 4462 Conflict Management
- ENC 4250 Professional Writing
- SPC 3445 Leadership Through Oral Communication

**B. Collaboration**
- INP 3004 Industrial/Organizational Psychology
- INP 4313 Organizational Psychology
- MAN 2420 Organizations: Theory and Behavior
- MAN 3025 Management of Organizations

**C. Social Relations and Culture**
- ANT 3541 Biobehavioral Anthropology
- CLF 3143 Abnormal Psychology
- COM 4461 Intercultural Communication
- EXP 3304 Motivation
- SOP 3004 Social Psychology
- SOP 3723 Cross-Cultural Psychology
- SOP 3742 Psychology of Women
- SOP 3784 Psychology of Diversity

**D. Politics**
- PAD 3003 Public Administration in American Society
- PAD 4104 Administration Theory
- PAD 4144 Non-Profit Organizations
- PAF 4754 Interdisciplinary Leadership in Public Affairs
- POS 3413 The American Presidency
- POS 4206 Political Psychology
Minors

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
<td>3 hrs</td>
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<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
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<tr>
<td>EDF 3601</td>
<td>Professional Ethics in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3040</td>
<td>Ethics and Values in Public Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2108</td>
<td>Critical Thinking</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3638</td>
<td>Ethical Issues in the 21st Century</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics (PR: PHI 2010 or CI)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**
- Earn a grade of "C" (2.0) or better in each course used to satisfy the minor.
- At least 15 credit hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

**LEGAL STUDIES: Minor**

**College of Health and Public Affairs**

**Department of Criminal Justice and Legal Studies,**

**HPA 311**

*Contact:* David B. Slaughter, 407-823-2603, E-mail: dl slaughter@mail.ucf.edu

**Credit Hour Requirements**

**Required Courses**

- PLA 3013: Law and the Legal System (3 hrs)

**Restricted Upper Division Electives**

- 15 semester hours of legal studies courses selected with the aid of an advisor.

**Restricted Electives**

- 3 semester hours of law-related courses selected with the aid of an advisor.

**Other Requirements**

- A minimum grade of "C" (2.0) is required in each course to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

**MAGAZINE JOURNALISM: Minor**

**College of Sciences**

**Nicholson School of Communication, COMM 238**

*http://communication.cos.ucf.edu/undergraduate/degrees/journalism.php*

*E-mail: journalism@ucf.edu*

*Contact:* R. Morales, 407-823-2681

**Prerequisites**

- Grammar proficiency requirement
- A minimum UCF GPA of 3.3
- Not open to Ad/PR, Journalism, or Radio/TV majors.

**Credit Hour Requirements**

**Required courses**

- JOU 2100C: News Reporting (3 hrs)
- JOU 3510: Magazine Publishing (3 hrs)
- JOU 4224: Magazine Editing and Production (3 hrs)

**Restricted Upper Division Electives**

- ENC 3310: Magazine Writing I (3 hrs)
- JOU 3201: Editing I (3 hrs)
- JOU 3202: Editing II (3 hrs)
- JOU 4300: Feature Writing (3 hrs)
- JOU 4308: Freelance Writing (3 hrs)
- JOU 4340C: Online Journalism (3 hrs)

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

**MARKETING: Minor**

*(Open to Business and Non-Business Students)*

**College of Business Administration**

**Department of Marketing, BA2 307S**

*Not available to Marketing Majors*

**Credit Hour Requirements**

**Required Courses**

- MAR 3023: Marketing (3 hrs)

**Restricted Electives**

- Select four or five:
  - MAR 3323: Integrated Marketing Communication
  - MAR 3391: Professional Selling
  - MAR 3403: Sales Force Management
  - MAR 3503: Consumer Behavior
  - MAR 3613: Marketing Analysis and Research
  - MAR 3641: Marketing Intelligence
  - MAR 3721: e-Marketing
  - MAR 4156: International Marketing
  - MAR 4724: Strategic Foundations in Global e-Business

- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A minimum of six hours of the above listed required or elective courses can count toward another major or minor degree program.
**MATHEMATICS: Minor**

**College of Sciences**

**Department of Mathematics, MAP 207**

http://math.ucf.edu

E-mail: math@mail.ucf.edu

Contact: H. Martin, MAP 215A, 407-823-5700,

E-mail: martin@math.ucf.edu

**Credit Hour Requirements**

**Required Courses**

15 hrs

- MAC 2311 Calculus with Analytic Geo I
  
- MAC 2312 Calculus with Analytic Geo II
  
- MAC 2313 Calculus with Analytic Geo III
  
- MAP 2302 Differential Equations

**Credit Hour Requirements**

21 hrs

- MAC 2311 Calculus with Analytic Geo I
  
- MAC 2312 Calculus with Analytic Geo II
  
- MAC 2313 Calculus with Analytic Geo III
  
- MAP 2302 Differential Equations

**Restricted Electives**

6 hrs

The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.

- MAA XXXX (any 3000, 4000, or 5000 level course)
  
- MAD XXXX (any 3000, 4000, or 5000 level course)
  
- MAP XXXX (any 3000, 4000, or 5000 level course, except MAP 3401)
  
- MAS XXXX (any 3000, 4000, or 5000 level course)
  
- MTG XXXX (any 3000, 4000, or 5000 level course)

Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee.

(Either MAS 3105 or MAS 3106 may be used but not both. Courses may be selected from MAA 4226 and MAA 4227, or MAA 5210 but not both.)

**Other Requirements**

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
  
- At least 6 hours used in the minor must be earned at UCF within the department.
  
- No credit by exam (TSD, Military credit) may be used.
  
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
  
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

**MASS COMMUNICATION: Minor**

**College of Sciences**

Nicholson School of Communication

COMM 238, 407-823-2681

http://communication.cos.ucf.edu

E-mail: communication@ucf.edu

Contact: R. Morales, 407-823-3978

Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

**Credit Hour Requirements**

18 hrs

- Restricted Electives

**Select from the following:**

- MMC 2004 Mass Media
  
- ADV 3008 Principles of Advertising
  
- COM 3330 Computer Mediated Communication
  
- FIL 2303 History of Motion Pictures
  
- FIL 3006 Art of the Cinema
  
- FIL 3041 History of Animated Films I
  
- JOU 3004 History of American Journalism
  
- MMC 3420 Mass Media Research Methods
  
- MMC 3200 Mass Communication Law
  
- MMC 4300 International Media
  
- PUR 4000 Public Relations
  
- RTV 3007 Dev & Strct of Elect Media & New Tech
  
- RTV 3200 Prod Fund & Aesth of Elect Media
  
- RTV 4403 Electronic Media, Technology and Society

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
  
- Grades below “C” (2.0) in lower level courses are not accepted.
  
- At least 12 hours used in the minor must be earned at UCF within the School of Communication.
  
- No credit by exam (TSD, Military credit) may be used.
  
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

**MINORS**

**MATHEMATICS: Minor**

**College of Sciences**

**Department of Mathematics, MAP 207**

http://math.ucf.edu

E-mail: math@mail.ucf.edu

Contact: H. Martin, MAP 215A, 407-823-5700,

E-mail: martin@math.ucf.edu

**Credit Hour Requirements**

21 hrs

- Required Courses

  15 hrs

    - MAC 2311 Calculus with Analytic Geo I
    
    - MAC 2312 Calculus with Analytic Geo II
    
    - MAC 2313 Calculus with Analytic Geo III
    
    - MAP 2302 Differential Equations

- Restricted Electives

  6 hrs

  The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.

  - MAA XXXX (any 3000, 4000, or 5000 level course)
  
  - MAD XXXX (any 3000, 4000, or 5000 level course)
  
  - MAP XXXX (any 3000, 4000, or 5000 level course, except MAP 3401)
  
  - MAS XXXX (any 3000, 4000, or 5000 level course)
  
  - MTG XXXX (any 3000, 4000, or 5000 level course)

  Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee.

  (Either MAS 3105 or MAS 3106 may be used but not both. Courses may be selected from MAA 4226 and MAA 4227, or MAA 5210 but not both.)

**Other Requirements**

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
  
- At least 6 hours used in the minor must be earned at UCF within the department.
  
- No credit by exam (TSD, Military credit) may be used.
  
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
  
- Not open to Math or Math Education majors.
  
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

**MATHEMATICS EDUCATION: Minor**

(Open to Non-Mathematics Education Majors)

**College of Education**

**Department of Teaching and Learning Principles**

ED 209

http://education.ucf.edu/mathed/

Program Coordinator: Janet Andreasen, ED 123Q, 407-823-5430;

E-mail: jandreas@mail.ucf.edu

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

**Credit Hour Requirements**

19 hrs

- EDG 4410 Teaching Strategies and Classroom Management
  
- EDF 4467 Learning Theory and Assessment
  
- TSL 4080 Theory and Practice of Teaching ESOL Students
  
- RED 4043 Content Reading Kindergarten thru Grade 12
  
- MAF 4380 Mathematics Instructional Analysis
  
- MAF 4634 Programs in Teaching Mathematics

**Admission Requirements**

Have a minimum 2.5 overall GPA.

Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university.

**Other Requirements**

- Students should see an advisor prior to registering for classes.
  
- Students must complete 18 semester hours of courses in mathematics as co-requisites.
  
- At least 12 hours in the minor must be earned at UCF.

**MASS COMMUNICATION: Minor**

**College of Sciences**

Nicholson School of Communication

COMM 238, 407-823-2681

http://communication.cos.ucf.edu

E-mail: communication@ucf.edu

Contact: R. Morales, 407-823-3978

Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

**Credit Hour Requirements**

18 hrs

- Restricted Electives

**Select from the following:**

- MMC 2004 Mass Media
  
- ADV 3008 Principles of Advertising
  
- COM 3330 Computer Mediated Communication
  
- FIL 2303 History of Motion Pictures
  
- FIL 3006 Art of the Cinema
  
- FIL 3041 History of Animated Films I
  
- JOU 3004 History of American Journalism
  
- MMC 3420 Mass Media Research Methods
  
- MMC 3200 Mass Communication Law
  
- MMC 4300 International Media
  
- PUR 4000 Public Relations
  
- RTV 3007 Dev & Strct of Elect Media & New Tech
  
- RTV 3200 Prod Fund & Aesth of Elect Media
  
- RTV 4403 Electronic Media, Technology and Society

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
  
- Grades below “C” (2.0) in lower level courses are not accepted.
  
- At least 12 hours used in the minor must be earned at UCF within the School of Communication.
  
- No credit by exam (TSD, Military credit) may be used.
  
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
Minors

MEDIEVAL AND RENAISSANCE STUDIES: Minor
College of Arts and Humanities
Department of English, CNH 302D
http://www.english.cah.ucf.edu/

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Credit Hour Requirements: (18 hrs)
Students are responsible for meeting any prerequisites for the courses in the minor.

Required Core Courses (6 hrs)
Select two courses from the following:
- HUM 3435 Medieval Humanities
- ENL 4311 Chaucer
- or ENL 4333 Shakespeare Studies
- or ENL 4341 Milton and His Age
- EUH 3122 Medieval Society

Required Electives (12 hrs)
Select no more than two from each disciplinary group:
Department of Art
- ARH 4200 Medieval Art
- ARH 4310 Italian Renaissance Art

Department of English
- ENL 4220 English Renaissance Poetry and Prose
- ENL 4311 Chaucer
- ENL 4333 Shakespeare Studies
- ENL 4341 Milton and His Age

Department of History
- ANH 4110 Colonial American History
- AMH 4112 History of the Atlantic World, 1492-1800
- EUH 3122 Medieval Society
- EUH 3142 Renaissance and Reformation
- EUH 3531 Medieval Ireland
- EUH 3536 Early Modern Ireland
- EUH 3539 Early Modern Spain (1469-1700)
- EUH 3542 The Crusades
- EUH 4500 English History to 1485
- EUH 4501 English History 1485 to 1815
- EUH 4610 Women in European Society: From Medieval to Modern

Department of Modern Languages
- FRW 3100 Survey of French Literature I: Middle Ages through 18th Century
- ITW 3100 Survey of Italian Literature I: Medieval to Renaissance
- ITT 3443 Dante
- LAT 1100C Elementary Latin Language and Civilization I
- LAT 1121 Elementary Latin Language and Civilization II
- SPW 3100 Survey of Spanish Literature I: Medieval & Golden Age
- SPW 3370 Spanish Short Story: Medieval & Golden Age
- SPW 4310 Golden Age Drama
- SPW 4322 Spanish Iberian Theatre: Medieval & Golden Age
- SPW 4604 Cervantes

Department of Music
- MUH 4322 Medieval and Renaissance Music

Department of Philosophy
- PHH 3200 Medieval Philosophy
- EUH 3435 Medieval Humanities

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

MIDDLE EASTERN STUDIES: Minor
College of Arts and Humanities
Middle Eastern Studies Program, CNH 411J
Program Director: Husain Kassim, 407-823-2803

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Credit Hour Requirements: 21 hrs
Required Courses (9 hrs)
- CPO 3403 Politics of the Middle East
- HUM 3419 Islamic Thought and Culture
- ASH 3223 The Modern Middle East

Restricted Electives (12 hrs)
- ARA 2200 Intermediate Arabic Language and Civilization I
- ASH 3222 Islam and its Empires
- ASH 5227 The Arab-Israeli Conflict
- CPO 4710 Women in Comparative Politics
- HBR 2200 Intermediate Modern Hebrew I
- HUM 3553 Moses, Jesus and Muhammad
- JST 3401 The Jewish People I
- JST 3402 The Jewish People II
- JST 3820 Modern Hebrew Culture

Required Core Courses (6 hrs)
- Select two courses from the following:
  - HUM 3435 Medieval Humanities
  - ENL 4311 Chaucer
  - or ENL 4333 Shakespeare Studies
  - or ENL 4341 Milton and His Age
  - EUH 3122 Medieval Society

Required Electives (12 hrs)
Select no more than two from each disciplinary group:
Department of Art
- ARH 4200 Medieval Art
- ARH 4310 Italian Renaissance Art

Department of English
- ENL 4220 English Renaissance Poetry and Prose
- ENL 4311 Chaucer
- ENL 4333 Shakespeare Studies
- ENL 4341 Milton and His Age

Department of History
- ANH 4110 Colonial American History
- AMH 4112 History of the Atlantic World, 1492-1800
- EUH 3122 Medieval Society
- EUH 3142 Renaissance and Reformation
- EUH 3531 Medieval Ireland
- EUH 3536 Early Modern Ireland
- EUH 3539 Early Modern Spain (1469-1700)
- EUH 3542 The Crusades
- EUH 4500 English History to 1485
- EUH 4501 English History 1485 to 1815
- EUH 4610 Women in European Society: From Medieval to Modern

Department of Modern Languages
- FRW 3100 Survey of French Literature I: Middle Ages through 18th Century
- ITW 3100 Survey of Italian Literature I: Medieval to Renaissance
- ITT 3443 Dante
- LAT 1100C Elementary Latin Language and Civilization I
- LAT 1121 Elementary Latin Language and Civilization II
- SPW 3100 Survey of Spanish Literature I: Medieval & Golden Age
- SPW 3370 Spanish Short Story: Medieval & Golden Age
- SPW 4310 Golden Age Drama
- SPW 4322 Spanish Iberian Theatre: Medieval & Golden Age
- SPW 4604 Cervantes

Department of Music
- MUH 4322 Medieval and Renaissance Music

Department of Philosophy
- PHH 3200 Medieval Philosophy
- EUH 3435 Medieval Humanities

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

MILITARY SCIENCE: Minor
College of Engineering and Computer Science
Army ROTC, BLDG 501
Contact: LTC Sean Morgan, 407-823-1872

Credit Hour Requirements: 19 hrs
Required Courses (3 hrs)
- AMH 3541 U.S. Military History to 1900
- AMH 3547 U.S. Military History since 1900

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

MOLECULAR BIOLOGY AND MICROBIOLOGY: Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular Biology and Microbiology
HPA2 335, 407-823-5932
Chair: P.E. Kolattukudy

Credit Hour Requirements: 30 hrs
Required Courses (23 hrs)
- BSC 2010C Biology I
- MCB 3020C General Microbiology
- PCB 3233 Immunology or
- PCB 4239 Molecular Immunology
- PCB 3233L Immunology Laboratory
- PCB 3522 Molecular Biology I
- PCB 4524 Molecular Biology II
- MCB 3020C Quantitative Biological Methods

Restricted Electives (7 hrs)
At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Department.
MUSIC: Minor
College of Arts and Humanities
Department of Music, CNH 205A
http://www.music.cah.ucf.edu
Academic Advisor: Kirk Gay, 407-823-5968; Fax 407-823-3378.
E-mail: kgay@mail.ucf.edu

Credit Hour Requirements 20 hrs
Required Courses (11 hrs)
MUT1121 Music Theory and Musicianship I 4 hrs
MUT1122 Music Theory and Musicianship II 4 hrs
Select 1: 3 hrs
MUL 2010 Enjoyment of Music 4 hrs
MUL 2016 Evolution of Jazz 4 hrs
MUL 2720 Music of the World 4 hrs
MUH 2017 Survey of Rock Music 4 hrs
MUH 2019 American Popular Music, 1840s-Present 4 hrs

Restricted Electives (9 hrs)
Restricted electives must be taken from the Department of Music at UCF and must include three hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

MUC, MUN, MUE, MVX, MUH, MUL, MUS, MUT (any course) 6 hrs
(on the same performance medium)
MUC, MUN, MUE, MVX, MUH, MUL, MUS, MUT 3 hrs
(3000 or 4000 level course)

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

NONPROFIT MANAGEMENT: Minor/AMERICAN HUMANICS NATIONAL CERTIFICATION PROGRAM
College of Health and Public Affairs
Department of Public Administration, HPA 238

Campus Director: Stephanie Krick, Ph.D.; 407-823-0661; E-mail: skrick@mail.ucf.edu

The Nonprofit Management Minor/ American Humanics National Certification Program at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification in American Humanics.

Credit Hour Requirements (18 hrs)
Required Courses (9 hrs)
PAD 3930 American Humanics Human Service Workshop 3 hrs
PAD 4948 American Humanics Internship 3 hrs
Internships within other programs may be accepted with prior approval of American Humanics advisor.
PAD 4144 Nonprofit Organizations 3 hrs

Students can earn the remaining nine credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

Generalist Emphasis
Restricted Electives (9 hrs)
Choose at least one course from each of the following three groups.

Group I: Nonprofit Accounting & Financial Management 3 hrs
and Planning & Evaluation.
ACG 2021 Financial Accounting*
ACG 2071 Managerial Accounting*
DEP 2004 Developmental Psychology*
DEP 3464 Psychology of Aging*
EDG 4941 Directed Field Experience*
MAN 3025 Management of Organizations*1

Group II: Human Development and Human Resource Development, 3 hrs
and Volunteerism
MAN 3301 Management of Human Resources*
MAN 4011 Human Relations in Management*
MAN 4320 Human Resources Recruitment and Selection*
PAD 4414 Public Personnel Administration
PAD 4148 Volunteer Management
PAD 4153 Planning and Improvement for Public Organizations
PAD 4325 Program Evaluation for Public & Nonprofits*
SOW 3203 Social Work & Community Resources
SOW 3104 Assessing I - Human Development

Group III: Communication & Marketing and Fund Raising Principles 3 hrs
& Practices
COM 3110 Business and Professional Communications*
GEB 3031 The Cornerstone Course*
MAR 3023 Marketing
MAR 3641 Marketing Intelligence*
MAR 4903 Marketing Management
PAD 4147 Resource Development in the Nonprofit Sector
SOW 3352 Interpersonal Skills in Social Work*
SCP 3301 Interpersonal Communications

Public Affairs Emphasis
Restricted Electives (9 hrs)
Choose at least three courses from the following:
PAD 4148 Volunteer Management
PAD 4153 Planning and Improvement
PAD 4131 Public Sector Project Management
PAD 4147 Resource Development in the Nonprofit Sector
PAD 4204 Fiscal Management
PAD 4223 Public Budgeting*
PAD 4253 Community and Economic Development*
PAD 4325 Program Evaluation for the Public and Non-Profit Organization*

Other Requirements for American Humanics National Certification
- Enrollment in American Humanics Certification Program through AH program office.
- Attendance at one national American Humanics Management Institute (additional fees)
- Membership in UCF American Humanics Student Association

*Indicates course has prerequisites or may be open only to students in the major.
Please see catalog for details.

NORTH AMERICAN INDIAN STUDIES: Minor
College of Sciences
Department of Anthropology, PH 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu

Contact: Rosalyn Howard, 407-823-2227

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for all UCF undergraduates.

Minor Requirements:
- Interview with the North American Indian Studies Director.
- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.

Credit Hour Requirements (18 hrs)
Required Courses (3 hrs)
ANT 4910 Research 3 hrs

Restricted Electives (15 hrs)
Courses used in the minor must be taken in at least two departments. Select from the following list.

ANT 3245 Religions of the N Amer Indians
ANT 3313 Indians of the N Amer High Plains
ANT 3311 Indians of the SE United States
ANT 3158 Florida Archaeology
ANT 4906 Independent Study
ANT 3314 Indians of the NE Woodlands
Minors

ANT 3312 Ethnology of N Amer Indians
ANT 3316 Black/Seminole Relations
ANT 3320 Indians of the Southwest
ANT 3318 Indians of the Northwest Coast
AMH 3441 History of the Frontier: E America
AMH 4110 Colonial America
AMH 4112 The Atlantic World
AML 3640 Native American Literature
ANT 4144 Prehistory of North America
ANT 4153 North American Archaeology
PHH 3701 North American Philosophy
SYD 3752 Modern Law in Indian Country
SYD 3751 N Amer Indian Women Today

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

OPERATIONS MANAGEMENT/ENTERPRISE SYSTEMS: Minor
College of Business Administration
Department of MIS, BA 325, 407-823-3173/3174
Not available to Management Information Systems Majors.

Credit Hour Requirements 19 hrs
Prerequisite courses
- CGS 2000 Computer Fundamentals for Business or
- CGS 1000 Intro to Computer Science (or equivalent)
- MAC 1105 College Algebra or
- MGF 1106 Finite Mathematics

Required Courses 19 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- ISM 3530 Quality and Productivity Management 3 hrs
- ISM 4153 Enterprise Information Systems 3 hrs
- ISM 4431 Business Process Analysis 3 hrs
- ISM 4154 Enterprise Application Development 3 hrs
- ISM 4400 Decision Support Systems 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

PHILOSOPHY: Minor
College of Arts and Humanities
Department of Philosophy, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu
Contact: Jennifer Mundale, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Credit Hour Requirements 21 hrs

Core Requirements (15 hrs)
Select one course from each of the following groups:

Reasoning (3 hrs)
- PHI 2011 Philosophical Reasoning
- PHI 2101 Critical Thinking
- PHI 2108 Formal Logic I
- PHI 2647 Logic and Ethics
- PHI 3131 Formal Logic II

History of Philosophy (3 hrs)
- PHH 3100 Ancient Philosophy
- PHH 3200 Medieval Philosophy
- PHH 3460 Modern Western Philosophy
- PHH 3600 Contemporary Philosophy

Values and Society (3 hrs)
- PHI 3670 Ethical Theory
- PHI 3626 Advanced Ethics in Science and Technology
- PHM 3401 Philosophy of Law
- PHI 3800 Aesthetics
- PHI 3123 Feminist Theories
- PHI 3638 Ethical Issues in the 21st Century
- PHI 3625 Virtual Ethics
- PHI 4633 Ethics and Biological Science
- PHI 3100 Freedom and Justice
- PHI 3640 Environmental Ethics
- PHM 4031 Environmental Philosophy
- PHI 3701 Native American Philosophy
- PHI 3805 Contemporary Aesthetics

Being and Knowing (3 hrs)
- PHI 4500 Metaphysics
- PHI 4341 Ways of Knowing
- PHI 4300 Theories of Knowledge
- PHI 3700 Philosophy of Religion
- PHI 4400 Philosophy of Science
- PHI 3320 Philosophy of Mind
- PHI 3451 Philosophy of Psychology
- PHI 4420 Philosophy of Social Science
- PHI 3323 Minds and Machines
- PHP 4782 Phenomenology
- PHI 4221 Philosophy of Language

Topics in Philosophy (3 hrs)
- PHI 4931 Philosophy in the News
- PHI 3683 Philosophy of Friendship
- PHI 4321 Philosophies of Embodiment
- PHI 3648 Ethical Issues of the Human Genome Project
- PHI 3022 Sexuality, Gender and Philosophy
- PHI 3033 Philosophy, Religion and the Environment
- PHI 4804 Critical Theory
- PHP 3783 Modernity as a Philosophical Problem
- PHI 3750 Problem of Evil
- PHI 3720 Faith and Reason
- PHI 3803 Philosophy and Creativity
- PHI 3941 Philosophy Practicum
- REL 3111 Religion and Philosophy through Film
- PHP 3785 Existentialism
- PHI 4935 Topics in Philosophy of Mind

Upper Division Restricted Electives (6 hrs)
Must consult an advisor for approved courses in this area.

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.
PHILOSOPHY, RELIGION AND POPULAR CULTURE: Minor
College of Arts and Humanities
Department of Philosophy, PSY 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@ucf.edu
Advisor (UCF Orlando Campus): Doug Evans, 407-823-2273;
Fax: 407-823-6658;
Advisor (Cocoa Campus): Shelley Park, 321-433-7919
The Philosophy, Religion, and Popular Culture minor examines
popular culture through the critical lenses of philosophy and religious
studies. Students interested in the Interdisciplinary Studies major
may find this minor particularly helpful. In consultation with a depart-
mental advisor, students will select courses in accordance with the
distributions listed below.

Credit hour requirements 21 hrs
Note: Appropriate special topics in philosophy or humanities may be substituted for
some core courses with prior approval by department advisor.

Theoretical Foundations (6 hrs)
Ph 3694 Ways of Living
Ph 4341 Ways of Knowing

Philosophy (3 hrs)
Select at least one course:
Ph 2101 Critical Thinking
Ph 3670 Ethical Theory
Ph 3700 Philosophy of Religion
Ph 3800 Aesthetics
Phm 3100 Freedom and Justice
Ph 3720 Faith and Reason
Ph 3766 Existentialism
Ph 4804 Critical Theory
Ph 4300 Theories of Knowledge

Religion (3 hrs)
Select at least one course:
Clt 3378 Comparative Mythology
Hum 3552 Christian Thought
Hum 3553 Moses, Jesus, and Mohammed
Hum 3417 Hindu Thought and Culture
Hum 3419 Islamic Thought and Culture
Hum 4303 The Spiritual Ideal
Hum 4534 Religious Quest and Human Dilemma
Ph 3750 The Problem of Evil

Popular Culture Series (9 hrs)
A. Contemporary Media
Select at least one course:
Hum 3320 Contemporary Multicultural Studies
Hum 4556 Religion and the Arts
Hum 4330 Performance Theory
Ph 3625 Virtual Ethics
Ph 4931 Philosophy in the News
Pos 3235 Mass Media and Politics
Pos 3258 Politics in Film
Rel 3115 Religion, Spirituality and Popular Music
Rel 3111 Religion and Philosophy through Film
Syp 3630 Sociology of Popular Culture

B. Contemporary Forms of Life
Select at least one course:
Ant 3302 Sex, Gender and Culture
Hum 3252 Contemporary Humanities
Ph 3022 Sex, Gender and Philosophy
Ph 3629 Family Values
Ph 3033 Philosophy, Religion and me Environment
Phm 3401 Philosophy of Law
Ph 3636 Ethical Issues in the 21st Century
Ph 3683 Philosophy of Friendship
Phm 3123 Feminist Theories
Ph 4321 Philosophies of Embodiment: Mind/Body/Self
Rel 3131 Religion in America

Other Requirements
- A "C" (2.0) grade or better is required in all courses used to satisfy
  the minor.
- At least 15 hours used in the minor must be earned at UCF
  within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used
  toward the minor.
- No more than two courses (i.e. six credit hours) of 3000 or 4000
  level courses applied to the Minor in Humanities: Philosophy.

Religion & Popular Culture may be simultaneously applied to fulfill
another major.

PHYSICS: Minor
College of Sciences
Department of Physics, MAP 310
http://www.physics.ucf.edu/
E-mail: physics@ucf.edu
Contact: Talat S. Rahman, 407-823-2325
Not open to Physics majors.

Credit Hour Requirements 20 hrs
Required Courses (11 hrs)
Phy 2048 Physics for Eng and Sci I  3 hrs
Phy 2048L Physics Laboratory for Eng and Sci I  1 hr
Phy 2049 Physics for Eng and Sci II  3 hrs
Phy 2049L Physics Laboratory for Eng and Sci II  1 hr
Phy 3101 Physics for Eng and Sci III  3 hrs

Restricted Upper Division Electives (9 hrs)
Selected from upper-level PHY3XXX or PHZ3XXX courses appropriate for majors.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy
  the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours of upper level courses must be earned at UCF
  within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used
  toward the minor.

POLITICAL SCIENCE: Minor
College of Sciences
Department of Political Science, PH 302
E-mail: politics@ucf.edu
http://www.cos.ucf.edu/politicalscience
Contact: Roger Handberg, 407-823-2608

- Double major/degree policy in Political Science programs and
  minors
  1. Students who major in International and Global Studies, and
     minor in Political Science, shall not count more than one course
     toward both programs, except POS 2041.
  2. Students who double minor in Political Science and
     International and Global Studies shall not count more than one
     course toward both programs.

Credit Hour Requirements 18 hrs
Required Course (3 hrs)
Pos 2041 American National Government  3 hrs

Restricted Upper Division Electives (15 hrs)
- Five upper division Political Science courses (selected with the
  advice of a departmental advisor).
- Only three hours of POS 4941L (Internship) may be used.
- Five upper division Political Science courses (those with prefixes
  CPO, INR, POS, POT, PUP and one GEO – World Political
  Geography; see the Political Science Major description for a list
  of courses that may be offered by the department).

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy
  the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least nine hours used in the minor must be earned at UCF
  within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used
  toward the minor without prior departmental permission.
Minors

POLITICAL SCIENCE/PRELAW: Minor
College of Sciences
Department of Political Science, PH 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Contact: Roger Handberg, 407-823-2608

- Double major/dual degree policy in Political Science programs and minors
  1. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except POS 2041.
  2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Credit Hour Requirements: 18 hrs
Required Courses (6 hrs)
- POS 2041 American National Government 3 hrs
- POS 4284 Judicial Process and Politics 3 hrs

Restricted Elective (3 hrs)
- INR 4401 International Law I
- INR 4402 International Law II
- POS 4603 American Constitutional Law
- POS 4604 American Constitutional Law II

Restricted Upper Division Electives (9 hrs)
- Three Upper Division Political Science Courses (selected with the aid of a departmental advisor)
- Only three hours of POS 4941L (Internship) may be counted
- Three upper division Political Science courses (those with prefixes CPO, INR, POS, POT, PUP and one GEO – World Political Geography; see the Political Science Major description for a list of courses that may be offered by the department).

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

PUBLIC ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Public Administration, HPA2 238
Contact: Dr. Michael Abels, 407-823-2604, E-mail: mabels@mail.ucf.edu

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations-including fiscal management, survey research, public administration, and human resource management.

Credit Hour Requirements: 18 hrs
Required Courses (18 hrs)
- PAD 3003 Public Admin in American Society 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Public Personnel Administration 3 hrs
- PAD 4720 Survey Research in Public Admin 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without prior approval.

REAL ESTATE: Minor
(Open to Business and Non-Business Students)
College of Business Administration
Dr. P. Phillips School of Real Estate, BA 409
http://www.bus.ucf.edu/finance

Credit Hour Requirements: 18 hrs
Prerequisite Courses
- AGC 2021 Principles of Financial Accounting 3 hrs
- AGC 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (13 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs

Electives (select two of the following) (6 hrs)
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- REE 4203 Commercial Real Estate Finance 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- REE 4732 Real Estate Development 3 hrs
- REE 4203 Real Estate Appraisal and Evaluation 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- REE 4732 Real Estate Development 3 hrs
Minors

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

RECREATION: Minor
College of Education
Department of Child, Family and Community Sciences, ED 209
Program Coordinator: Debby Mitchell, ED 320H, 407-823-6598; E-mail: mitchell@mail.ucf.edu

This minor will assist students who wish to work in recreation areas such as YMCA's, Boys and Girls Clubs, after school programs, sports for children programs, theme park and resort recreation programs. This minor is available for students in the 2007 catalog year and beyond.

Credit Hour Requirements 18 hrs

Required Courses (18 hrs)
- PEO 3041 Games Analysis 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 3820 Teaching Sports Skills I 3 hrs

Restricted Electives – Choose 3 classes from the following:
- DAE 3370 Dance and Rhythms 3 hrs
- PET 3771 Fitness and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4312 Biomechanics 3 hrs
- SPM 3130 Aquatic Management 3 hrs
- PET 4002 Outdoor and Leisure Activities 3 hrs
- SPM 3204 Sports and Ethics 3 hrs
- SPM 3415 Public Relations in Sports and Fitness 3 hrs
- PET 3361 Nutrition for Sports and Fitness 3 hrs

Other Requirements
- No grades below "C" (2.0) will be accepted
- All of these hours must be earned at UCF
- No credit by exam, (TSD, Military credit) may be used
- Independent study credit cannot be used toward the minor

RELIGIOUS STUDIES: Minor
College of Arts and Humanities
Department of Philosophy
PSY 220, 407-823-2273; Fax: 407-823-6658
http://www.philosophy.cah.ucf.edu/
E-mail: religion@mail.ucf.edu
Program Director: Claudia Schippert, 407-823-2273

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology & Sociology, Art, English, History, Judaic Studies, Philosophy, Political Science, and Psychology, and are to be selected in consultation with the Religious Studies advisor.

Credit Hour Requirements 21 hrs

Required Courses
- REL 2300 World Religions 3 hrs

Restricted Electives (select from the following courses)
- Religion, Humanities, Classics, and Philosophy courses (12 hrs)
  - REL 3131 Religion in America
  - REL 3115 Religion, Philosophy and Film
  - REL 3111 Religion, Spirituality, and Popular Music
  - REL 3432 Roots of Western Mysticism

SCIENCE EDUCATION: Minor
(Open to Non-Science Education Majors)
College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/science/
Program Coordinator: Aldrin Sweeney, ED 123L, 407-823-2561; E-mail: asweeney@pegasus.cc.ucf.edu

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Credit Hour Requirements 19 hrs

Required Courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDG 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading Kindergarten thru Grade 12 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Admission Requirements
- Have a minimum 2.5 overall GPA
Minors

- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

SECURE COMPUTING AND NETWORKS (SCAN): Interdisciplinary Minor
College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
http://www.cecs.ucf.edu
Contact: Kim Small, 407-823-2455, E-mail: ksmall@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
- CIS 3360 Security in Computing 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs

Select one:
- CNT 4703 Network Labs 3 hrs
- CNT 4704 Computer Communications Network 3 hrs
- CET 4483 Local Area Networks 3 hrs
- EEL 4781 Computer Networks 3 hrs

Elective Courses (9 hrs)
Select any three courses from the following list:
- Network Security:
  - CET 4603 Computer and Network Security 3 hrs
- Security Management and Administration:
  - CET 4888 Practice of Information Security 3 hrs
- Secure Software:
  - CIS 4361 Secure Operating Systems and Administration 3 hrs

Required Courses (3 hrs)
- COP 4600 Operating Systems 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- Pre-requisites to the minor include Programming in C (COP 3223, EGN 3211, CET 2364, or an equivalent) and Math for Calculus (MAC 2147), or equivalent
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

SOCIAL SCIENCE EDUCATION: Minor
(Open to Non-Social Science Education Majors)
College of Education
Department of Teaching and Learning Principles
ED 209
http://education.ucf.edu/ssed/
Program Coordinator: Scott Waring, ED 123H, 407-823-1766; E-mail: swaring@mail.ucf.edu

Credit Hour Requirements 19 hrs
Required Courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading Kindergarten thru Grade 12 3 hrs
- SSE 4361 Social Science Instructional Analysis 4 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 semester hours of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

SOCIAL SCIENCES - INTERDISCIPLINARY: Minor
College of Sciences
Department of Sociology, PH 403, 407-823-3744
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Contact: Jay Corzine, 407-823-3744

Credit Hour Requirements 21-22 hrs
Required Courses (3-4 hrs)
- One method course, selected from the three immediately below
- POS 3703 Scope and Methods of Political Science
- PSY 3213 Research Methods in Psychology
- SYA 4300C Research Methods (Sociology)

Restricted Electives (18 hrs)
Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.
- Communication
- Economics
- Political Science
- Public Administration
- Psychology
- Sociology & Anthropology

Other Requirements
- Students must earn a grade “C” or above (2.0) in each course used to satisfy the minor
- At least 15 hours used in the minor must be earned at UCF.
- At least 18 hours must be upper division classes.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

SOCIOLOGY: Minor
College of Sciences
Department of Sociology, PH 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Contact: Jay Corzine, 407-823-3744

Credit Hour Requirements 18 hrs
Required Courses (3 hrs)
- SYG 2000 General Sociology

Restricted Electives (3 hrs)
- 2000-4000 level Sociology courses

Restricted Upper Division Electives (12 hrs)
- 3000-4000 level Sociology courses

Other Requirements
- Earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Co-op or internship credit cannot be used toward the minor.
- No more than three hours of Independent Study credit can be used toward the minor.
- Not open to Sociology majors.

SPANISH: Minor
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://mil.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Contact: P. Giordano, 407-823-2472

Credit Hour Requirements 18 hrs
Restricted Electives
- Select six upper division courses in Spanish, including the 3000-level advanced grammar (SPN 3300), advanced oral communication (SPN 3760), and composition courses (SPN 3420).
SPORT BUSINESS MANAGEMENT: Minor

(*Business Majors, Business Undecided, and Business Pending only)

College of Business Administration
DeVos Sports Business Management, BA2 205

Contact: K. Harrison, 407-823-1158, E-mail: kharrison@bus.ucf.edu

Completion of Common Program Pre-requisites and Admission to a major within the College of Business Administration

Credit Hour Requirements | 18 hrs
---|---
Required Courses  | 12 hrs
SPB 3003 | Introduction to Sport Business Management 3 hrs
SPB 3603 | Diversity and Social Issues in Sport Business Management 3 hrs
SPB 3823 | Role of Business Entrepreneurship in Sport/Ent 3 hrs
MAR 4711 | Sports Marketing 3 hrs

Restricted Electives | 6 hrs
MAN 4701 | Business Ethics and Society 3 hrs
SPB 4304 | Event and Facility Management 3 hrs
SPB 4804 | Sport Business and Media 3 hrs
MAR 3023 | Marketing 4 hrs

Other Requirements:
- A minimum GPA of 2.5 is required in all courses to satisfy the minor.
- Grades below “C” (2.0) or “S” grades do not count toward the minor.
- At least 9 hours used in the minor must be earned at UCF within the DeVos Sports Business Management Program.
- No credit by exam (CLEP, TSD, Military credit) may be used.
- In some cases, Internship, Co-op, or Independent Study credit cannot be used toward the 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.

TECHNOLOGY EDUCATION and INDUSTRY TRAINING: Minor

College of Education
Department of Teaching and Learning Principles, ED 209

http://education.ucf.edu/teched/

Contact: Jo Ann M. Whiteman, ED 115D, 407-823-2848 or 407-325-6293; E-mail: jwhitema@mail.ucf.edu

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not intended for students admitted to a degree program in the College of Education and does not lead to teacher certification or admission to the College of Education.

Credit Hour Requirements | 18 hrs
---|---
Entrance requirements | Junior standing
Required courses  | 18 hrs
ADE 4382 | Teaching Adult Learners 3 hrs
EVT 4368 | Advanced Teaching Techniques in Vocational Education 3 hrs
EVT 3062 | Professional Role of the Vocational Teacher 3 hrs
EVT 3367 | Evaluation in Vocational Education 3 hrs
EVT 4169 | Curriculum Development for Industry Training 3 hrs
EVT 4065 | Principles and Practices in Technical Education 3 hrs

Other requirements:
- A minimum of 4 courses of the 6 required must be completed at UCF within the Program of courses listed above.
- A grade of “C” (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education.

TECHNOLOGICAL ENTREPRENEURSHIP: Interdisciplinary Minor

College of Business Administration & College of Engineering and Computer Science
Department of Management, BA 307
407-823-5569; Fax: 407-823-3725
http://www.cei.ucf.edu

Contact: Cameron Ford; E-mail: cford@bus.ucf.edu

The Technological Entrepreneurship Minor offers students an opportunity to blend deep discipline-specific expertise with broad entrepreneurial thinking skills. Combining disciplinary depth with entrepreneurial breadth promotes the introduction of innovations to society and creates economic rewards to those who champion those innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance or manage a technology venture. Topics covered would include evaluating opportunities for establishing and financing technology ventures.

Credit Hour Requirements | 18 hrs
---|---
Required courses  | (9 hrs)
GEB 3113 | How to Start a Business 3 hrs
GEB 4152 | Technological Entrepreneurship 3 hrs
GEB 4110 | Business Plan Preparation 3 hrs

Restricted Electives | (9 hrs)
Innovation design or research sequence | 6 hrs
Discipline-specific or experiential sequence | 3 hrs

*Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. Examples of approved course sequences for the minor include:
Minors

- All engineering, interdisciplinary students (e.g., business): EGN 4412C & EGN 4413C
- BSEE, BSCPE: EEL 4914 & EEL 4915L
- BSME: EML 4501C & EML 4502C
- BSCE: CEE 4810C & CEG 4810C
- BSAS: EAS 4700C & EAS 4710C

**Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4XXX), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

Other Requirements

- A minimum GPA of 2.25 is required for acceptance into this minor degree program.
- A cumulative GPA of 2.0 is required to successfully complete the minor.
- Students must have a grade of “C” (2.0) or better in all courses in the minor.
- At least 12 credit hours in the minor must be from UCF.

THEATRE: Minor

College of Arts and Humanities
Department of Theatre, UTC 180
http://www.theatre.cah.ucf.edu
E-mail: theatre@ucf.edu

Contact: Earl Weaver, 407-823-2862, E-mail: eweaver@mail.ucf.edu

Credit Hour Requirements 18 hrs

Entrance Requirement

A successful interview and current resume

Required Courses (18 hrs)

Note: The number assigned to courses may change.

Use the Prefix and title to determine the proper course.

THE 2000 Theatre Survey 3 hrs

or

THE 2020 Survey of Theatre for Majors 3 hrs

THE 2304 Script Analysis 3 hrs

THE 3311 Theatre History and Dramatic Literature I 3 hrs

TPP 2101 Fundamentals of Acting 3 hrs

TPA 2201 Technical Theatre Production 2 hrs

TPA 2201L Technical Theatre Production Lab 1 hr

Electives: (3 hrs)

Any DAA, DAN, THE, TPA, or TPP course as approved by the department

Other Requirements

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- Student must consult theatre advisor every semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

URBAN AND REGIONAL PLANNING: Minor

College of Health and Public Affairs
Department of Public Administration, HPA2 238
Contact: Jay Junie, 407-823-2804, E-mail: junie@mail.ucf.edu

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Credit Hour Requirements 21 hrs

Required Courses (21 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Information Systems for Public Managers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4331</td>
<td>Land Use and Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4334</td>
<td>Urban Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4253</td>
<td>Community and Economic Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4803</td>
<td>Issues in Urban Administration</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Suggested Courses

Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field:

- PAD 4110 Intergovernmental Relations
- PAD 4390 Hazard Mitigation and Preparedness
- PAD 4392 Emergency Management/Homeland Security

Other Requirements

- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used toward the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

WOMEN’S STUDIES: Minor

College of Arts and Humanities
http://womensstudies.cah.ucf.edu
E-mail: womenst@ucf.edu

Contact: K. M. Oliver, 407-823-6502

The Women’s Studies minor provides students with an opportunity to learn about women’s historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments of Psychology, Political Science, Sociology, Anthropology, Art, Communication, Criminal Justice, and the Women’s Studies Program.

Credit Hour Requirements 18 hrs

Required Courses (6 hrs)

WST 3016 Introduction to Women’s Studies 3 hrs

Select one course from the Theories Group: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHM 3123</td>
<td>Feminist Theories</td>
</tr>
<tr>
<td>LIT 4554</td>
<td>Advanced Feminist Theories</td>
</tr>
<tr>
<td>WST 3361</td>
<td>Women in Literature</td>
</tr>
</tbody>
</table>

Elective Courses (12 courses)*

*Students must complete at least two of their four Elective courses from outside their major. Students may count additional courses from the Theories Group as Electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

Women’s Studies Disciplinary Approaches

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3371</td>
<td>Women and Leadership</td>
</tr>
<tr>
<td>WST 3500</td>
<td>Gender Issues in Community Activism</td>
</tr>
<tr>
<td>WST 3460</td>
<td>Women’s Studies</td>
</tr>
<tr>
<td>WST 4002</td>
<td>Research on Women and Gender</td>
</tr>
</tbody>
</table>

Women’s History

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3561</td>
<td>Women in American History</td>
</tr>
<tr>
<td>AMH 3562</td>
<td>Women in American History II</td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China</td>
</tr>
<tr>
<td>EUH 4610</td>
<td>Women in European Society</td>
</tr>
</tbody>
</table>

Representations of Women

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3283</td>
<td>Contemporary American Women’s Fiction</td>
</tr>
<tr>
<td>ARH 4892</td>
<td>Women in Art</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
</tr>
<tr>
<td>FIL 3880C</td>
<td>Women in Film</td>
</tr>
<tr>
<td>LIT 3883</td>
<td>Women’s Writings</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>Hispanic Women Writers</td>
</tr>
<tr>
<td>PHI 3022</td>
<td>Sexuality, Gender &amp; Philosophy</td>
</tr>
</tbody>
</table>
Minors

WORLD COMPARATIVE STUDIES: Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1 302
http://www.is.ucf.edu
E-mail: Is@mail.ucf.edu

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.

Language proficiency requirement must also be met.

Total Credit Hour Requirements (18 hrs)

IDS 3333 World Comparative Studies

Thematic Concentrations Restricted Electives (15 hrs)

Select five courses from within one of the concentrations (A-F) below. Courses not on the list may be taken with the prior approval of the Interdisciplinary Studies advisors in any thematic concentration. No more than 6 hours of coursework may overlap in a student’s major and this minor, with permission of the Interdisciplinary Studies offices. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

A. Language and Culture
AML 3615 Harlem, Haiti, and Havana
ANT 3145 Language and Culture
ANT 3145 Archaeology of Complex Societies
ANT 3319 The Anthropology of Diaspora

ANT 3212 Peoples of the World
ANT 4702 Culture, Power and Development
FSS 3008 Culture and Cuisine
HFT 4865 Exploring Wonders of the World
HFT 3868 History and Culture of Wine
HFT 4894 International Gastronomy
HUM 3419 Islamic Thought and Culture

Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.

B. Economics

ANT 4702 Culture Power and Development
ECO 3703 International Trade
ECO 4704 International Macroeconomics
ECO 4701 Seminar in Global Economic Policy
ECS 4013 Economics of Developing Areas
EC3 3302 Economics and the Environment
HFT 3700 Tourism Management
INR 4035 International Political Economy

C. Biological and Geophysical Environment
IDS 3150 Foundations of Environmental Studies
ECP 3302 Economics and the Environment
ECS 4013 Economics of Developing Areas
HFT 4735 Tourism Geography
INR 4351 International Environmental Law
ENV 3001 Intro to Environmental engineering
GIS 3043C GIS for Environmental Studies
GIS 4035 Remote Sensing of the Environment
PHI 3033 Philosophy, Religion, and the Environment
PHI 3640 Environmental Ethics

D. Social Structure and Change

ANT 3145 Archaeology of Complex Societies
ANT 3273 Law and Culture
ANT 4702 Culture Power and Development
PLA 4830 World Legal Systems
SYR 4454 Sociology of the Global System

E. Media and Communication

FIL 4844 Africana Cinema
FIL 4845 World Cinema Traditions
FIL 3842 International Cinema
FIL 4844 Africana Cinema
COM 4461 Intercultural Communication
LIN 4643 Cross Cultural Communication
THE 4812 Global Theater

F. World Independent Specialization

Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies advisors.

Foreign Language Proficiency Requirement (0-8 hrs)

Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Other Requirements

A grade of “C” or above (2.0) is required in each course used to satisfy the minor.

At least 15 hours used in the minor must be earned at UCF.

No credit by exam (TSD, military credit) may be used.

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ADDITIONS: Certificate
College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu

This certificate is awarded only to students in the undergraduate social work program (BSW). Addiction courses may be taken as electives by non-majors and be applied to the state certification. The Addictions Certificate is designed to prepare students to work in the field of addictions, primarily substance abuse. This certificate addresses the role and significance of addictions on crime rates, health care, disabilities, human services, traffic safety, sexual assault, domestic violence and child abuse, the workplace and cost to the employers. Addictions have a profound impact on the lives of many people, their families, and their communities. Students will learn about patterns of addictions in society and prevention and intervention strategies. The certificate program focuses on social work skills in the area of addictions. The certificate program will enable students to earn credit toward their certification through the Certification Board for Addiction Professionals of Florida but not the certificate program.

Admission Requirement:
This certificate is only awarded to students in the undergraduate social work program (BSW). Students not in the social work program but enrolled in their junior or senior year at UCF may take the addictions courses to be applied toward their state certification through the Certification Board for Addiction Professionals of Florida.

Credit Hour Requirements: 12 hrs
Required Courses:
- SOW 4706 Interventions with Substance Abusers (3 hrs)
- SOW 3352 Practice II: Interpersonal Skills (3 hrs)
- SOW 4341 Micro-Level Roles and Interventions (3 hrs)

Restricted Electives:
Select from one of the following:
- SOW 4906 Prevention and Treatment of Adolescent Substance Abuse (3 hrs)
- SOW 4906 Independent Study in Addictions – (i.e. Women in Treatment, Drug Control Policy, etc., Can be taught by any faculty teaching one of the above courses) (3 hrs)
- CCJ 4651 Drugs and Crime (3 hrs)

AGING STUDIES: Certificate
College of Health and Public Affairs
School of Social Work, HPA 204
E-mail: socialwk@mail.ucf.edu

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major as well as non-degree seeking students. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The certificate may be completed as a fully web-based program. A required internship, along with course options that include service-learning activities, complements the web-based course of study.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 15 hrs
Required Course:
- GYE 3001 Gerontology: Interdisciplinary Overview (3 hrs)

Required Internship: (Select one)
- SOW 4510 or SOW 4941 Field Education (for full-time students or part-time students over two semesters) (9 hrs)
- HSA 4941 Internship (3 hrs)
- PSY 3951 Internship (3 hrs)
- SYP 4941 Internship (3 hrs)

Electives (9 hrs)
- Students select three additional courses from the following: (a) maximum of two courses in their College and at least one course must be outside their college).

College of Health and Public Affairs
HSA 4220 Long Term Care (3 hrs)
HSA 3222 Long Term Administration (3 hrs)
HSC 4564 Health Care Needs of the Elderly (3 hrs)
NUR 4286 Gerontologic Nursing (3 hrs)
PLA 4530 Legal Issues of the Elderly (3 hrs)
SOW 4645 Social Services for the Elderly (3 hrs)

Other Colleges:
- DEP 3464 Psychology of Aging (3 hrs)
- SYP 4730 Sociology of Aging (3 hrs)
- GEY 5007 Women and Aging (3 hrs)
- LIT 3930 Literature of Aging (3 hrs)
- SYP 4732 Minority Aging (3 hrs)

*Open to undergraduates with senior standing

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C" (2.0) are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study cannot be used toward the minor.

AMERICAN SIGN LANGUAGE (ASL): Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders,
HPA2, Suite 101
http://www.cohpa.ucf.edu/comdis

Undergraduate Program Director: Jamie B. Schwartz, 407-823-4798, E-mail: jschwart@mail.ucf.edu

This certificate is designed to provide students with the conversational competency in ASL to communicate with deaf and hard of hearing individuals who use ASL as their primary mode of communication. In addition, students completing the certificate program would have the prerequisite skills to seek further instruction in Interpreter Education. More specifically, the certificate program is designed for individuals who wish to enhance their ability to communicate with the Deaf community and to enhance their employment potential, including undergraduate students majoring in communication sciences and disorders, general and special education, psychology, theater, the health professions, and other disciplines; students at area community colleges; professionals working in Central Florida; and the general public.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 16 hrs
Required Courses:
- ASL 2140 Introduction to American Sign Language (4 hrs)
- ASL 2150 Intermediate American Sign Language (4 hrs)
- ASL 416C American Sign Language III (4 hrs)
- ASL 4201 American Sign Language IV (4 hrs)

Other Requirements
- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the certificate.
- At least eight hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) Internship or Independent Study credit may be used toward the certificate.

BEHAVIORAL FORENSICS: Certificate
College of Sciences
Psychology Department, PSY 301
http://www.psych.ucf.edu/

Contact: Karen Mottarella, 321-433-7982, E-mail: kmottare@mail.ucf.edu

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion.
The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency and insanity.

**Credit Hour Requirements**

27 hrs

**Prerequisite Courses**

(6 hrs)

Complete one introductory course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2022</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>General Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Required Courses**

(9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJE 4654</td>
<td>Forensic Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3751</td>
<td>Legal Aspects of Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3520</td>
<td>Criminology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

(12 hrs)

Note: It is the student’s responsibility to meet all prerequisites for every course selected.

**From Psychology, select one of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3143</td>
<td>Abnormal Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CLP 3302</td>
<td>Clinical Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CLP 4134</td>
<td>Childhood Psychopathology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCD 4203</td>
<td>Interviewing and Counseling</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**From Sociology, select two of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 3511</td>
<td>Sociology of Murder</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3530</td>
<td>Juvenile Delinquency</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3540</td>
<td>Sociology of Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3562</td>
<td>Soc Perspectives on Domestic Violence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4521</td>
<td>Criminal Victimization in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4514</td>
<td>Sociology of Violence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4536</td>
<td>Gangs and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**From Criminal Justice, select one of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJE 3014</td>
<td>Crime in America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 3024</td>
<td>Criminal Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 4670</td>
<td>Women and Crime</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4630</td>
<td>Serial Murder &amp; CJ</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 4012</td>
<td>Criminal Profiling in CJ</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 3667</td>
<td>Victims and the CJ System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 4681</td>
<td>Domestic Violence &amp; the Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 4690</td>
<td>Sex Offenders &amp; the CJ System</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

**CHILDREN’S SERVICES: Certificate**

**College of Health and Public Affairs**

**School of Social Work, HPA 204**

**E-mail: socialwk@mail.ucf.edu**

**BSW Coordinator: 407-823-2114**

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and with the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Certificates will be awarded only at the time of degree completion.

**Credit Hour Requirements**

18 hrs

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3352</td>
<td>Practice II: Interpersonal Skills</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4654</td>
<td>Children’s Services</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4650</td>
<td>Child Abuse: Treatment &amp; Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4510</td>
<td>Field Education* (for full-time students)</td>
<td>9 hrs</td>
</tr>
<tr>
<td>SOW 4941</td>
<td>Field Education* (for part-time students over two semesters)</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

**CRIME ANALYSIS AND CRIME MAPPING: Certificate**

**College of Health and Public Affairs**

**Department of Criminal Justice and Legal Studies**

**HPA 311**

**Contact:** Cory Watkins, 407-823-0365, E-mail: rwatkins@mail.ucf.edu

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five classes (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

**Credit Hour Requirements**

15 hrs

**Required Courses**

(9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJE 3662</td>
<td>CJ Information Technology and Data Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4653</td>
<td>Crime Analysis I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 4076</td>
<td>Crime Analysis II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restrict Upper Division Electives**

(6 hrs)

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJC 3451</td>
<td>Justice System Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 3444</td>
<td>Crime Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4654</td>
<td>Crime and Place</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 3450</td>
<td>Criminal Justice Manager</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4550</td>
<td>Policy Development in Law Enforcement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4572</td>
<td>Justice Agency Operations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF and/or the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

**CRIME SCENE INVESTIGATION: Certificate**

**College of Health and Public Affairs**

**Department of Criminal Justice and Legal Studies**

**HPA 311; Department of Sociology and Anthropology**

**PH 403**

**Contact:** David Fabianic, 407-823-5940, E-mail: Fabianic@mail.ucf.edu; Mary Ann Eastep, 407 823-3598, E-mail: meastep@mail.ucf.edu; John J. Schultz, 407-823-2618, E-mail: jschultz@mail.ucf.edu

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available for crime scene processing, and work directly with investigators to identify suspects. Five classes (15 credit hours) are required for this undergraduate work. Certificates will be awarded only at the time of degree completion.

**Credit Hour Requirements**

18 hrs

**Required Courses**

(12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology*</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4101</td>
<td>Archaeological Sciences*</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4012</td>
<td>Criminal Profiling in CJ</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4610</td>
<td>Criminal Investigation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restrict Upper Division Electives**

(3 hrs)

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4528C</td>
<td>Advanced Forensic Anthropology*</td>
<td>5 hrs</td>
</tr>
<tr>
<td>SYP 3511</td>
<td>Sociology of Murder</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4630</td>
<td>Serial Murder and the Criminal Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJC 4195</td>
<td>Interviews and Interrogations in CJ</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3501</td>
<td>Introduction to Forensic Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3115</td>
<td>Archaeological Method and Theory*</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*Place with the Department of Children and Families-working with child welfare or placement in an agency that serves children.

**Note:** Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement.
Certificates

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

CRIMINAL PROFILING: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311
Contact: David Fabianic, 407-823-5940, E-mail: fabianic@mail.ucf.edu; Mary Ann Eastep, 407-823-3598, E-mail: meastep@mail.ucf.edu

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 15 hrs
Required Courses (12 hrs)
- CLP 3143 Abnormal Psychology 3 hrs
- CJE 4630 Serial Murder and the Criminal Justice System 3 hrs
- CJC 4690 Sex Offenders and the Criminal Justice System 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs

Restricted Upper Division Electives (3 hrs)
Select one of the following:
- CJE 4610 Criminal Investigation 3 hrs
- DSC 4012 Terrorism 3 hrs
- CJC 4195 Interviews and Interrogations in CJ 3 hrs

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

CULTURAL TOURISM: Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL1 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science.

The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Credit Hour Requirements 18 hrs
Required Courses (12 hrs)
- HFT 3540 Guest Service Management 3 hrs
- HFT 3700 Tourism Management 3 hrs
- HFT 4736 Tourism Geography 3 hrs
- ANT 4438 Anthropology of Tourism 3 hrs

Choose two classes from one of the following areas (6 hrs)

African American Heritage area (choose two classes)
- AFA 3104 The African American Experience
- AFA 4105 Documenting African American Heritage and Life
- SYD 3700 Race and Ethnic Minorities in the United States

Anthropology area (choose two classes)
- ANT 2100 Archaeology and the Rise of Human Culture
- ANT 3212 Peoples of the World
- ANT 2410 Cultural Anthropology
- ANT 3115 Archaeological Method and Theory
- ANT 3070 Applied Anthropology

Environmental Tourism area (choose two classes)
- BOT 3152C Local Flora
- PCB 3442 Florida Aquatic Ecology
- INR 4331 International Environmental Law
- PUP 3203 Environmental Politics
- PUP 4204 Sustainability
- SYD 4510 Environmental Sociology

Latin American area (choose two classes)
- ANT 3163 Meso American Archaeology
- ANT 3168 Maya Archaeology
- ANT 4332 Peoples and Cultures of Latin America
- ANT 4340 Caribbean Archaeology
- ARH 4655 Meso American Art
- CPO 4303 Comparative Latin American Politics
- LAH 3400 History of Mexico and Central America
- LAH 3470 History of the Caribbean
- LAH 3130 Latin American History I
- LAH 3200 Latin American History II

DIPLOMACY: Certificate
College of Sciences
Department of Political Science, PH 302, 407-823-2608
http://www.cos.ucf.edu/politicalscience
Department of History, MH 552, 407-823-2225
http://www.cah.ucf.edu/history
Contact: Dr. R. Handberg; Dr. E. Kallina

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice.

For degree-seeking students, certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 15 hrs
Required Courses (9 hrs)
- INR 4030 Diplomacy 3 hrs
- INR 4102 American Foreign Policy 3 hrs

Restricted Upper Division Electives (6 hrs)
Select two of the following:
- INR 4114 American Security Policy
- INR 4054 Global Politics of Energy
- INR 4074 Immigration Policy
- INR 4075 Human Rights Policy
- INR 4076 Global Drug Policy
- INR 4714 Politics of International Trade Policy
- INR 4104 Topics in American Foreign Policy
- INR 4351 International Environmental Law
- INR 4401 International Law I
- INR 4502 International Organizations
- AMH 4512 U.S. Diplomacy: 1914-1945
- EUH 4620 European Great Powers: 1815-1914

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Co-op credit cannot be used toward the certificate without prior permission of the program director
EDUCATIONAL STUDIES: Certificate
College of Education
Department of Educational Studies, ED 206E
Only open to non-education majors
http://education.ucf.edu/es/es_certificate.cfm
Program Coordinator: W. Scott Wise, ED 220B, 407-823-1502, E-mail: wwise@mail.ucf.edu

The Educational Studies certificate is intended to provide for students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education. An Educational Studies minor includes a sixth course is also an alternative. This certificate is available for students in the 2007 catalog year and beyond.

Credit Hour Requirements
Core Courses (12 hrs)
EDF 4603 Analysis & Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EDF 4647 Learning Theory & Assessment 3 hrs
EDG 4410 Teaching Strategies & Classroom Management 3 hrs
RED 4043 Content Reading in Kindergarten through Grade Twelve 3 hrs

Restricted Electives (select one) (3 hrs)
MAE 4634 Programs in Teaching Mathematics 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs
LAE 4464 Introduction to Adolescent Literature 3 hrs
LAE 4342 Teaching Language/Composition 3 hrs
SSE 4036 Programs in Teaching Social Science 3 hrs

Other Requirements:
■ A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
■ A minimum GPA of 2.5 of all Gordon Rule classes is required.
■ At least 9 hours used in the certificate must be earned at UCF.
■ No credit by exam (CLEP, Military credit) may be used.

Note: Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

ENERGY TECHNOLOGY: Certificate
College of Engineering and Computer Science
Department of Engineering Technology, ENGR 207
CECS Academic Affairs Office, ENGR 107
Contact: Ahmad Sleiti, 407-823-2728; Fax: 407-823-4746; E-mail: asleiti@mail.ucf.edu

The Energy Technology Certificate supports the need for educated graduates that comprise the next generation workforce needed for energy research and development in government and industry. Program graduates will demonstrate an appropriate mastery of the knowledge, techniques, skills, and modern tools related to Energy Technology.

Certificate will only be awarded at the time of degree completion.

Credit Hour Requirements (13 hrs)
ETM 4220 Applied Energy Systems 4 hrs
EGN 4300C Hydrogen Production and Handling 3 hrs
EGN 4731C Fuel Cell Technologies 3 hrs
EGN 4730 Renewable Energy Systems 3 hrs

Other Requirements
■ A minimum grade of C (2.0) is required for all courses in the minor.
■ No credit by exam (TSD, Military credit) may be used.

FINANCE: Certificates
College of Business Administration
BA 409
http://www.bus.ucf.edu/finance

*Restricted to Finance majors

Credit Hour Requirements 12-15 hrs
Certificate in Banking 15 hrs
FIN 4313 Management of Financial Institutions 3 hrs
FIN 4324 Commercial Bank Management 3 hrs
ACG 3131 Financial Accounting Concepts & Analysis 3 hrs
ACG 3141 Intermediate Financial Accounting 3 hrs
MAR 3391 Professional Selling or 3 hrs
FIN 4941** Internship

■ An internship must be a paid internship with a financial services firm, and must be approved by the Department of Financial Internship coordinator and a banking faculty member. Both MAR 3391 and FIN 4941 are recommended if the student's schedule allows it.
■ No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the five courses must be 3.0 or higher.

Certificate in Corporate Finance 12 hrs
ACG 3131 Financial Accounting Concepts & Analysis 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 3461 Financial Statement Analysis or 3 hrs
FIN 4424 Adv Topics in Financial Management 3 hrs
FIN 4941** Internship 3 hrs

Certificate in Investments 12 hrs
FIN 3504 Investment Analysis 3 hrs
FIN 4514 Portfolio Analysis and Management 3 hrs
FIN 4533 Financial Derivatives 3 hrs
**FIN 4941 Internship 3 hrs

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest.

JUDAIC STUDIES: Certificate
College of Arts and Humanities
Judaic Studies Program, CNH 415 E-J
http://www.judaicstudies.cah.ucf.edu/
E-mail: judaicst@pegasus.cc.ucf.edu

Program Director: Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The Program cooperates with the departments of English, Modern Languages, History, Philosophy, Political Science, and Sociology/Anthropology, and with the Interdisciplinary Studies and Women's Studies Programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses.

Credit Hour Requirements 15 hrs
Language
HBR 1120 Elementary Modern Hebrew Lang and Cult I
HBR 1121 Elementary Modern Hebrew Lang and Cult II
HBR 2200 Intermediate Modern Hebrew Language and Culture I
HBR 2201 Intermediate Modern Hebrew Language and Culture II
HBR 3250 Biblical Hebrew
HBR 3410 Conversational Israeli Hebrew

Jewish History
JST 3401 The Jewish People I
JST 3402 The Jewish People II
JST 3550 Introduction of Modernism into Judaism
JST 3481 20th Century Jewish History and Thought
JST 3701 History of the Holocaust

Bible
JST 3120 Hebrew Scriptures
JST 3125 The Book of Job
JST 3126 Romantic Love in the Bible
JST 3144 Dead Sea Scrolls

Literature
JST 3100 The Hebrew Creative Mind
JST 3312 Identity and Genre
JST 3751 Literature of the Holocaust

Culture
JST 3450 Modern Jewish Experience
JST 3820 Modern Hebrew Culture
JST 3810 The Jewish National Movement
language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 13 hrs

Required Courses
- LIN 3716 Language Development: Birth Through 8 Years (3 hrs)
- LIN 3717 Language Development: 9-18 Years (3 hrs)
- LIN 4711 Language Analysis (3 hrs)
- LIN 4711L Language Analysis Lab (1 hr)
- SPA 4400 Language Disorders Across the Life Span (3 hrs)

Other Requirements
- A minimum grade of "C" (1.75) is required in each course.
- Students must earn an overall minimum GPA of 2.0 in the courses used to complete the certificate.
- At least 10 hours used in the certificate must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) may be used.

LEADERSHIP STUDIES: Certificate

Office of Undergraduate Studies
Office of Interdisciplinary Studies, CL-I 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu

Contact: Interdisciplinary Studies Advising Team, 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered. Certificate will be awarded only at time of degree completion.

Total Credit Hour Requirements (13 hrs)

Foundation Requirement (4 hrs)
- LDR 1XXX Foundations of Leadership (2 hrs)
- LDR 1XXX Intermediate Foundations of Leadership (2 hrs)

(Pr: LDR 1XXX Foundations of Leadership)

Restricted Requirements (9 hrs)

Choose one course from each of three areas.

A. Communication
- COM 301C Communication and Human Relations (3 hrs)
- COM 3120 Organizational Communication (3 hrs)
- COM 4461 Intercultural Communication (3 hrs)
- (can only be used in Area A or Area C)
- COM 4462 Conflict Management (3 hrs)

B. Collaboration
- INP 3004 Industrial/Organizational Psychology (3 hrs)
- INP 4313 Organizational Psychology (3 hrs)
- MAN 4240 Organizations: Theory and Behavior (4 hrs)
- MAN 3025 Management of Organizations (4 hrs)
- SPC 4426 Group Dynamics (3 hrs)

C. Social Relations and Culture
- ANT 3541 Biobehavioral Anthropology (3 hrs)
- CLP 3143 Abnormal Psychology (3 hrs)
- COM 4461 Intercultural Communication (3 hrs)
- (can only be used in Area A or Area C)
- EXP 3304 Motivation (3 hrs)
- SOP 3004 Social Psychology (3 hrs)
- SOP 3723 Cross Cultural Psychology (3 hrs)
- SOP 3742 Psychology of Women (3 hrs)
- SOP 3784 Psychology of Diversity (3 hrs)

D. Politics
- PAD 3003 Public Administration in American Society (3 hrs)
- PAD 4104 Administration Theory (3 hrs)
- PAD 4144 Non-Profit Organizations (3 hrs)
- PAF 4754 Interdisciplinary Leadership in Public Affairs (3 hrs)
- POS 3413 The American Presidency (3 hrs)
- POS 4026 Political Psychology (3 hrs)
- PUP 3325 Women and Political Behavior (3 hrs)

E. Ethics
- BUL 3130 Legal and Ethical Environment of Business (4 hrs)
- EDF 3601 Professional Ethics in Education (3 hrs)
- PAD 3040 Ethics and Values in Public Administration (3 hrs)
- PHI 2108 Critical Thinking (3 hrs)
- PHI 3640 Environmental Ethics (3 hrs)

Other Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

MARKETING: Certificates

College of Business Administration
Department of Marketing, BA2 307S

*Restricted to Marketing majors 6 hrs

Certificates will be awarded only at the time of Marketing degree completion.

Certificate in Selling and Sales Management
- MAR 3403 Sales Force Management (internship in sales-related position)
- **MAR 4941

Certificate in Retailing Management
- MAR 4231 Retailing Management (internship in retail-related position)
- **MAR 4941

Certificate in e-Marketing
- MAR 3721 e-Marketing (Internship in "e"-related position)
- **MAR 4941

Certificate in Sport Marketing Management
- MAR 4711 Sport Marketing (Internship in sport-related position)
- **MAR 4941

Certificate in Healthcare Marketing
- MAR 4712 Healthcare Marketing (Internship in healthcare-related position)
- **MAR 4941

Certificate in Services Marketing
- MAR 4841 Services Marketing (Internship in services-related position)
- **MAR 4941

Certificate in Entertainment Marketing
- MAR 4715 Entertainment Marketing (Internship in entertainment-related position)
- **MAR 4941

*These six hours count as the six elective marketing hours required in the major.
**Certificate attainment is subject to the availability of internship opportunities in the area of interest.
MILITARY SCIENCE: Certificate
College of Engineering and Computer Science
Army ROTC, BLDG 501
Contact: LTC Bryce Christensen, 407-823-1872
Students enrolled in the UCF Army ROTC Military Science Program who are contracted under a three semester option prior to Commissioning will be eligible for a Military Science Certificate in Military Studies. Application for a Military Science Certificate will be approved by the Military Science Department Chair once a contracted Cadet completes the 12 credit hours of MSL Advanced Course instruction and the 3 credit hour Military History Course for a combined total of 15 credit hours in Military Science. Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements
Required Courses
- MSL 3201C Leadership and Problem Solving 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Officership 4 hrs
- AMH 2547 U.S. Military History since 1900 3 hrs
Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit can be used toward the minor.
- Students earning the Military Science Minor are not eligible for this certificate.

NONPROFIT MANAGEMENT: Certificate
College of Health & Public Affairs
Department of Public Administration, HPA2 238
http://www.cohpa.ucf.edu/pubadm/
Contact: Mary Ann Feldheim, 407-823-2604
The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements
Required Courses
- PAD 4144 Nonprofit Organizations 3 hrs
- PAD 4147 Volunteer Management 3 hrs
- PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs
- PAD 4153 Planning and Improvement for Public Organizations 3 hrs
Restrictive Elective Course
- Select one of the following:
  - CCJ 4843 Risk Management 3 hrs
  - CJT 4843 Risk Management 3 hrs
  - SCC 3311 Security Administration 3 hrs
  - SCC 3316 Special Security Problems 3 hrs
  - PLA 5397 Seminar in Contemporary Legal Problems 3 hrs
  - PL A3273 Law of Torts 3 hrs
Restricted Upper Division Electives
Select one of the following:
- DSC 4012 Conflict and Terrorism 3 hrs
- CJE 3444 Crime Prevention 3 hrs
- SCC 3316 Special Security Problems 3 hrs
- PLA 5397 Seminar in Contemporary Legal Problems 3 hrs
- PLA 3273 Law of Torts 3 hrs

REAL ESTATE: Certificates
College of Business Administration
Dr. P. Phillips School of Real Estate, BA 409
http://www.bus.ucf.edu/finance
*Restricted to Real Estate majors

Credit Hour Requirements
Required Courses
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 4941** Internship (real estate brokerage) 3 hrs

Certificate in Real Estate Brokerage
(Completion of this certificate qualifies a student to sit for the Florida real estate broker's license.)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 4941** Internship (real estate appraisal) 3 hrs

Certificate in Mortgage Brokerage
(Completion of this certificate qualifies a student to sit for the Florida mortgage broker's license)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- MAR 3391 Professional Selling 3 hrs
- REE 4941** Internship (mortgage brokerage) 3 hrs

SECURITY MANAGEMENT: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311
Contact: Jerome Randall, 407-823-2603,
E-mail: jrandall@mail.ucf.edu
The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements
Required Courses
- DSC 4012 Conflict and Terrorism 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 4843 Risk Management 3 hrs
- CCJ 4644 White Collar Crime 3 hrs

Restricted Upper Division Electives
Select one of the following:
- DSC 4012 Conflict and Terrorism 3 hrs
- CJE 3444 Crime Prevention 3 hrs
- SCC 3316 Special Security Problems 3 hrs
- PLA 5397 Seminar in Contemporary Legal Problems 3 hrs
- PLA 3273 Law of Torts 3 hrs

SERVICE-LEARNING: Certificate
Office of Undergraduate Studies
Experiential Learning, FC 203
http://www.explearning.ucf.edu
Contact: A. Zeh, 407-823-266, E-mail: azeh@mail.ucf.edu
The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this
Certificates

process. This certificate is open to all undergraduate and graduate students in any major.

Credit Hour Requirements: 12 hrs
Course Requirements: 4 UCF-approved SL courses
Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.

Other Requirements:
- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

SUBSTITUTE TEACHING: Certificate
Department of Educational Studies
http://education.ucf.edu/
Program Coordinator: W. Scott Wise, ED 220B 407-823-1502, E-mail: wwise@mail.ucf.edu

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. The certificate is intended for University students enrolled outside the College of Education and does not lead to teacher certification or admission to the College of Education. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students' major programs. This certificate is available for students in the 2006 catalog year and beyond.

Credit Hour Requirements: 9 hrs
Required Courses:
- EDF 2007 Introduction to Substitute Teaching 3 hrs
- EDF 2250 Classroom Management for Substitute Teachers 3 hrs
- EDF 3311 Teaching Strategies for Substitute Teachers 3 hrs

Other Requirements:
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- At least 6 hours used in the certificate must be earned at UCF.

The certificate program in Women's Studies is designed to provide students with a basic, working knowledge of gender roles and women's issues. The certificate program is open to both degree-seeking and non-degree-seeking students, but should be particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted. Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 15 hrs
Required Courses:
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the CJ System 3 hrs

Restricted Upper Division Electives (6 hrs)
- Select two of the following:
  - SYP 4521 Criminal Victimization in Society 3 hrs
  - NUR 4516 Crisis Intervention 3 hrs
  - SOW 4754 Forensic Social Work Theory and Practice 3 hrs
  - CCJ 4564 Delinquency Control 3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
  - CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs

Other Requirements:
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

WOMEN'S STUDIES: Certificate
College of Arts and Humanities
Women's Studies Program, CNH 201H
http://womensstudies.cah.ucf.edu
E-mail: womenst@ucf.edu
Contact: K. M. Oliver, 407-823-6502

The certificate program in Women's Studies is designed to provide students with a basic, working knowledge of gender roles and women's issues. The certificate program is open to both degree-seeking and non-degree-seeking students, but should be particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Credit Hour Requirements: 12 hrs
Required Course:
- WST 3015 Introduction to Women's Studies 3 hrs

Electives (9 hrs)
See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option: (6-9 hrs)
Internship required by a student's major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women's issues.

Other Requirements:
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Graduates of “C” or below will not be counted toward the Women's Studies Minor.
- At least nine hours used in the certificate must be earned at UCF.
International Studies

Director: Angel Cardec; Research Pavilion, Suite 395, P.O. Box 163105, Orlando, FL 32816-3105; 407-882-2300; Fax: 407-882-0240; http://www.international.ucf.edu.

The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote, support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through: development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

Study Abroad Programs

By its very nature, study abroad provides an exciting setting for learning - one in which student interaction is central to the learning process. Study abroad participants learn about new environments, customs and, in many cases, new languages. They deal with the uncertainties of international travel and must adapt to the dynamics of the group. Maturity, self confidence, and awareness of other cultures are only some of the benefits of study abroad. Students are invited to expand their classroom, their experience, and their future through study abroad.

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in France, Japan, Germany, Spain and Italy; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica and Russia; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Scotland.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Université d’Angers , ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University and University of Surrey in the United Kingdom.

There are many more study abroad options. It is important that interested participants investigate their choices, the requirements and the implications that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit http://www.studyabroad.ucf.edu or contact OIS at 407-882-2300.
ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

AEROSPACE ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM
(B.S.A.E./M.S.A.E. or M.S.M.E.)
College of Engineering and Computer Science
Mechanical, Materials, and Aerospace Engineering Department
ENGR 307, 407-823-2416; Fax: 407-823-0208
http://www.mmae.ucf.edu

Admission Guidelines

■ See Common Program Prerequisites.
■ Qualified students may apply after completion of a minimum of 64 credit hours.
■ Completion of no more than 96 credit hours.
■ Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
■ Admission is not automatic. Interested students may need to be interviewed.

1. UCF General Education Program (36+2 hrs)
(See Aerospace Engineering major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP’s) (19 hrs)
(See Aerospace Engineering major in the Catalog for the CPP requirements)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Courses Required for the Major (55 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the technical elective courses listed in 4., and with the senior design courses listed in 5., below. Independent study courses generally do not satisfy major requirements.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
EGN 3310 Engineering Analysis - Statics 3 hrs
EGN 3321 Engineering Analysis - Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EMA 3706 Structure & Properties of AE Mats 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs
STA 3023 Probability & Statistics for Engineers 3 hrs
EAS 3010 Fundamentals of Aerospace Flight 3 hrs
EAS 4101 Aerodynamics I 3 hrs
EAS 3800C Aerospace Engineering Measurements 3 hrs
EAS 3810C Design of Aerospace Experiments 3 hrs
EAS 4105 Flight Mechanics 3 hrs
EAS 4134 High-Speed Aerodynamics 3 hrs
EAS 4200 Flight Structures 3 hrs
EAS 3530 Space Systems Concepts 3 hrs
or EAS 4400 Spacecraft Attitude Dynamics 3 hrs
or EAS 4405 Orbital Mechanics 3 hrs
EAS 4300 Aerothermodynamics-Propulsion Sys 3 hrs
EML 3034C Modeling Methods in MMAE 3 hrs
EML 4312C Feedback Control 3 hrs
EGM 3603 Solid Mechanics 3 hrs
EAS 4210 Space Structural Design 3 hrs

4. Approved Technical Electives (9 hrs)
Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

5. Departmental Graduation Requirements (6 hrs)
EAS 4700C Aerospace Design I 3 hrs
or EAS 4412C Interdisciplinary Design I 3 hrs
EAS 4710C Aerospace Design II 3 hrs
or EGN 4413C Interdisciplinary Design II 3 hrs
CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. University Minimum Graduation Requirements
■ A 2.0 UCF GPA.
■ 60 semester hours earned after any CLEP award.
■ 48 semester hours of upper division credit completed.
■ 30 of the last 36 hours of course work must be completed in residency at UCF.
■ 25% of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.A.E) 128 hrs

8. Shared B.S.A.E./M.S.A.E. or M.S.M.E. 10-12 hrs
Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

9. Areas of Study M.S.A.E. or M.S.M.E. 18-20 hrs
Students must complete all requirements within the masters program to which they are admitted. See the list below for possible options.

■ Computer–Aided Mechanical Engineering Track
■ Mechanical Systems Track
■ Miniature Engineering Systems Track
■ Professional Track
■ Space Systems Design and Engineering Track
■ Thermofluid Aerodynamic Systems Design and Engineering Track
■ Thermofluids Track

Total Semester hours (B.S. A.E./M.S.A.E. or M.S.M.E.) 146-148 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.

The following will be waived for this joint degree program
■ The limit of nine hours to be shared between undergraduate and graduate programs.
■ Undergraduate students taking graduate courses must be within nine hours of graduation.
■ Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
■ Undergraduate students are not eligible to take 6000-level courses.

Equipment Fee
■ Full-time Student ........................................ $90 per term
■ Part-time Student ........................................ $45 per term
ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A./B.S. and M.A.)

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 credit hours of graduate-level courses while completing the bachelor’s degree. This enables full-time students to achieve a master’s degree in one to two fewer semesters.

Admission requirements

1. Completion of the junior year of course work in communication sciences and disorders.
2. 3.5 GPA or better in courses in the major.
3. 1000 on the combined verbal and quantitative sections of the Graduate Record Examination and a score of at least 500 on the verbal section.
4. Completion of a graduate application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
5. Students who achieve a "B" or better for all 18 credit hours of graduate course work will be formally admitted into the master’s program in communication sciences and disorders following receipt of the bachelor’s degree.

Degree Requirements

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural Historical Foundations 9 hrs
   C. Mathematical Foundations 6 hrs
   D. Social Foundations 6 hrs

2. Common Program Prerequisites

3. Core Requirements (48-51 hrs)
   DEP 2004 Developmental Psychology 3 hrs
   SPA 3471 Communication Disorders in Literature and Media 3 hrs
   SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
   SPA 3112 Basic Phonetics 3 hrs
   SPA 3112L Basic Phonetics Lab 1 hr
   LIN 3716 Language Development: Birth Through 8 Years 3 hrs
   SPA 3011 Speech Science I: Speech Production 3 hrs
   SPA 3011L Speech Production Lab 1 hr
   LIN 3717 Language Development: 9-18 Years 3 hrs
   SPA 3104 Neural Bases of Communication 3 hrs
   SPA 3123 Speech Science II: Speech Perception 3 hrs
   SPA 3123L Speech Perception Lab 1 hr
   SPA 4032 Audiology 3 hrs
   LIN 4711 Language Analysis 3 hrs
   LIN 4711L Language Analysis Lab 1 hr
   SPA 4321 Audiological Rehabilitation 3 hrs
   SPA 4478 Multicultural Aspects of Communication Disorders and Differences 3 hrs
   EAB 3703 Principles of Behavior Modification 3 hrs
   EEX 4601 Introduction to Behavior Management 3 hrs
   EEC 4604 Guidance of Young Children 3 hrs
   EDF 3303 Learning Environments and Guidance for Young Children 3 hrs
   SPA 3472 Guidance of Young Children 3 hrs
   SPA 4056C Clinical Methods in Communication Disorders 5 hrs

4. Statistics Requirement (3-6 hrs)

   Students have two options for completing this requirement:

   Option 1: STA 2023 Statistical Methods I GEP 3 hrs
   STA 4163 Statistical Methods II or 3 hrs
   STA 2014C Principles of Statistics (GEP) 3 hrs
   STA 2023 Statistical Methods I 3 hrs
   SPA 4803 Research in Communication Disorders 3 hrs

5. Electives (6 hrs min)

   A. Option
   Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.

   B. Option
   Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

6. Shared Bachelor’s and Master’s Courses (18 hrs)
   SPA 6402 Preschool Language Disorders 3 hrs
   SPA 6403 School-Aged Language Disorders 3 hrs
   SPA 6410 Aphasia and Related Disorders 3 hrs
   SPA 6204 Articulation/Phonological Disorders 3 hrs
   SPA 6805 Research in Communication Disorders 3 hrs
   SPA 5473 Multicultural Aspects of Communication Disorders and Differences 3 hrs

7. Foreign Language Requirements

   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

   Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Departmental Exit Requirements

   A. A minimum grade of “B” in all graduate courses.
   B. A minimum GPA of 3.0 in the courses used to satisfy the major.
   C. A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

9. University Minimum Exit Requirements (120 hrs)

   A. A 2.0 UCF GPA
   B. 60 semester hours earned after CLEP awarded
   C. 48 semester hours of upper division credit completed
   D. 30 of the last 36 hours of course work must be completed in residency at UCF
   E. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   F. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

10. Courses taken toward Master’s Degree

   *In the Accelerated Program, students may elect to enroll in either SPA 5473, which replaces SPA 4478, or SPA 6805, which replaces SPA 4803.

Related Programs: Health Services Administration, Physical Therapy, Psychology, Social Work, Exceptional Student Education, Early Childhood Education


Transfer Notes:

1. “D” (1.0) grades are not accepted.
2. Courses taken at community colleges do not substitute for Upper Division courses.
3. Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
4. Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Equipment Fee

1. Full-time Student ........................................... $90 per term
2. Part-time Student ........................................... $45 per term
Admission Guidelines

- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.

1. UCF General Education Program (36+2 hrs)
See Computer Engineering major in the Catalog for track specific GEP requirements.

2. Common Program Prerequisites (CPP’s) (19 hrs)
See Computer Engineering major in the Catalog for the CPP requirements.

3. Courses Required for the Computer Engineering Core (8 hrs)
See Computer Engineering major in the Catalog for a listing of Computer Engineering core requirements.
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

4. Courses Required for the Major (48 hrs)
- COT 3100C Discrete Structures 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 3330 Object Oriented Prog 3 hrs
- COP 4331C Processes Object Oriented SW Dev 4 hrs
- EEL 2004 Electrical Networks 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEE 3307 Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3801 Computer Organization 3 hrs
- EEL 4767C Embedded Systems 4 hrs
- EEL 4768C Computer Architecture 4 hrs
- EEL 4781 Computer Comm Networks 3 hrs
- COP 4600 Operating Systems 3 hrs

5. Approved Technical Electives (9 hrs)
Technical electives should be taken at the 5000 or 6000 level and are available in the BSCpE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Departmental Graduation Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: None

8. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.

- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.P.E.) 128 hrs

9. Shared B.S.P.E./M.S.P.E. 6 hrs
Up to 6 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 6 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Electrical and Computer Engineering department for a list of acceptable courses.

10. Areas of Study M.S.P.E. 24 hrs
Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options. Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of year option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).
- Computer Architecture Track
- Digital Systems Track
- Intelligent Systems Track
- Software Engineering Track

Total Semester hours (B.S.P.E/M.S.P.E.) 152 hrs
The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The M.S.P.E. will be awarded on completion of the total program of study.

The following will be waived for this joint degree program
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

Equipment Fee
- Full-time Student $90 per term
- Part-time Student $45 per term

COMPUTER SCIENCE ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S./M.S.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corporation Engineering Ctr., Rm 346, 407-882-2313; Fax: 407-823-5835
http://www.eecs.ucf.edu

Contact: Ronald Dutton, E-mail: dutton@eecs.ucf.edu; Traci Freund, E-mail: tfreund@eecs.ucf.edu

Admission Guidelines
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.
1. UCF General Education Program (36+3hrs)
(See Computer Science major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP's) (15 hrs)
(See Computer Science major in the Catalog for the CPP requirements)

3. Basic Core Requirements (25 hrs)

- COP 3330 Intro to OO Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- STA 2023 Statistical Methods I GEP
- ENC 3241 Technical Report Writing 3 hrs
- EEL 3801 Computer Organization 3 hrs
- COT 3100C Intro to Discrete Structures 3 hrs
- CIS 3360 Security in Computing 3 hrs
- COP 3402 Systems Software 3 hrs
- CRT 3960 Found. Exam (PR:COT 3100C & COP 3502C) 0 hrs

4. Advanced Core (20 hrs)

Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.

- COP 4331C Processes for OO Software Development 4 hrs
- EEL 4768C Comp Architecture 4 hrs
- COT 4210 Discrete Comp Structures 3 hrs
- COP 4020 Programming Languages I 3 hrs
- COP 4600 Operating Systems 3 hrs
- COT 4810 Topics in Computer Science 3 hrs

5. Restricted Electives (15 hrs)

- 5000 level Computer Science courses 9 hrs

Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

- 4000-5000 level mathematics or statistics 6 hrs

Courses from: STA, MAP, MAA, MAD, MAS prefixes and MAC 2313, MAP 2302, MAS 3105, and MAS 3106. No independent study hours, internship, or cooperative education hours are allowed.

6. School Exit Requirements

- Complete an exit survey
- Computer Competency met by completion of major

7. Foreign Language Requirements (0-4 hrs)

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives (variable)

Select primarily from upper level courses, with the student advisor’s approval. May be outside the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required (B.S.) 120 hrs

10. Shared B.S./M.S. 12 hrs

Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

11. Areas of Study M.S. 18 hrs

Students must complete all requirements within the masters program that they are admitted to. Detailed information regarding course and graduation requirements can be located in the Graduate Catalog.

Students have an end of program option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).

Total Semester hours (B.S./M.S.) 138 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MS will be awarded on completion of the total program of study.

The following will be waived for this joint degree program

- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Equipment Fee

- Full-time Student ..................................$90 per term
- Part-time Student ..................................$45 per term

ECONOMICS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A./M.S.)

College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics
Major Advisor: Michael Caputo, BA2 302Q, 407-823-1405, E-mail: mcaputo@bus.ucf.edu

This program is designed for highly qualified majors in Economics who would like to earn undergraduate and graduate degrees in five rather than six years of full-time course work. The program provides students with specialized training in economics within a broad liberal arts education. A minor from several other colleges can be selected according to the student’s personal interests and career goals.

Admission Guidelines

- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites
- For admission to graduate courses, students must achieve a minimum 3.25 GPA after completion of 80 credit hours and meet the UCF graduate admission requirements as described in the Graduate Catalog.

Degree Requirements

1. UCF General Education Program (36 hrs)

A. Communication Foundations
   - Preferred: SPC 1608
   - 9 hrs

B. Cultural and Historical Foundations
   - 9 hrs

C. Mathematical Foundations
   - Select MAC 2233 or 2311 Calculus
   - 3 hrs

D. Social Foundations
   - Select ECO 2013 Principles of Microeconomics or
     ECO 2023 Principles of Microeconomics
   - 3 hrs

E. Science Foundation
   - 3 hrs

2. Common Program Prerequisites

   ECO 2013 Principles of Microeconomics
   - 3 hrs

   ECO 2023 Principles of Microeconomics
   - 3 hrs

   *See Transfer Notes for possible substitutions

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Required Undergraduate Major Courses (16 hrs)

   ECO 3101 Intermediate Microeconomics
   - 3 hrs

   ECO 3203 Intermediate Macroeconomics
   - 3 hrs

   *ECO 3401 Quantitative Business Tools I
   - 3 hrs

   **ECO 3411 Quantitative Business Tools II
   - 4 hrs

   ECO 4451 Research Methods in Economics
   - 3 hrs
**Accelerated Undergraduate-Graduate Programs**

*At UCF, students who have completed MAC 2233 (or any Calculus I & II sequence) and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.*

**Students in the BA/MS program are encouraged to select MAC 2311, 2312 and 2313 along with STA 4321 and 4322 as substitutes for ECO 3401 and ECO 4311.**

4. **Restricted Elective**
   - (3 hrs)
   - Select any other 3000-4000 level economics course.

5. **Courses shared BA/MS**
   - (15 hrs)
   - ECO 6403 Mathematical Economics 3 hrs
   - ECO 6118 Microeconomic Theory I 3 hrs
   - ECO 6206 Macroeconomic Theory I 3 hrs
   - ECO 6424 Econometrics I 3 hrs
   - ECO 6XXX Economics Elective 3 hrs
   - *15 hours counts towards both BA and MS*

6. **Required Minor**
   - (18 hrs)
   - Completion of a minor in one of the following: Computer Science, Environmental Studies, History, Mathematics, Statistics, Political Science, Psychology, Sociology or Public Administration. Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

7. **Program Exit Requirements**
   - A minimum grade of 3.0 is required for all graduate courses.
   - A minimum GPA of 2.5 is required for all courses taken in the major and minor.
   - Computer Competence is met by Research Methods course.

8. **Foreign Language**
   - (0-8 hrs)
   - Admission: Met by graduate requirement.
   - Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literature or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. **Electives**
   - (variable)

10. **University Minimum Exit Requirements - B.A.**
    - 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded.
    - 48 semester hours of upper division credit completed.
    - 30 of the last 36 hours of course work must be completed in residence at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credit permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

11. **Total Semester Hours Required (B.A.)**
    - 120 hrs

12. **Courses taken toward MS**
    - (9 hrs)
    - Six to nine additional hours of 6000 level economics electives.
    - A maximum of three hours of an approved non-economic elective may substitute for an economics elective. Select from disciplines such as mathematics, statistics, public administration, health sciences, political science, legal studies, computer science, and environmental engineering.

13. **End of Program Option:**
    - (6 hrs)
    - All candidates for the M.S. in Economics degree must complete an end-of-program option. This requirement may be met by any of the following two options: 1) Thesis option or 2) Course work option (see the Graduate Catalog for a detailed description of the options).

14. **Total Semester Hours (BA/MS)**
    - 135 hrs

   The baccalaureate degree will be awarded when program requirements for the BA are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MS will be awarded on completion of the total program of study.

   The following will be waived for this joint degree program:
   - The limit of nine hours to be shared between undergraduate and graduate programs
   - Undergraduate students taking 6000 level courses must be within nine hours of graduation
   - Undergraduate students taking 6000 level courses must not register for more than a total of twelve hours in that semester

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**Transfer Notes:**
- Grades below “C” (2.0) are not accepted.
- Courses taken at community college do not substitute for Upper Division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

**Equipment Fee**
- Full-time Student .......................... $30 per term
- Part-time Student .......................... $15 per term

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**ELECTRICAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.E.E./M.S.E.E.)**

**College of Engineering and Computer Science**
**School of Electrical Engineering & Computer Science**
**Harris Corporation Engineering Ctr., Rm 346, 407-882-2313; Fax: 407-823-5835 http://www.eecs.ucf.edu**

**Admission Guidelines**
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

**1. UCF General Education Program**
    - (36+2 hrs)
    - (See Electrical Engineering major in the Catalog for track specific GEP requirements)

**2. Common Program Prerequisites (CPP’s)**
    - (19 hrs)
    - (See Electrical Engineering major in the Catalog for the CPP requirements)
    - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**3. Courses Required for the Electrical Engineering Core**
    - (14 hrs)
    - (See Electrical Engineering major in the Catalog for a listing of Electrical Engineering core requirements)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.

**4. Courses Required for the Major**
    - (41 hrs)

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3004</td>
<td>Electrical Networks</td>
<td>3 hrs</td>
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<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
<td>4 hrs</td>
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<tr>
<td>EEE 3350</td>
<td>Semiconductor Devices I</td>
<td>3 hrs</td>
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<td>EEE 3370C</td>
<td>Electronics I</td>
<td>4 hrs</td>
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<tr>
<td>EEE 3342C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
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<td>EEL 3470</td>
<td>Electromagnetic Fields</td>
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<td>EEL 3552C</td>
<td>Analog and Digital Communications</td>
<td>4 hrs</td>
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<tr>
<td>EEL 3657</td>
<td>Linear Control Systems</td>
<td>3 hrs</td>
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<tr>
<td>EEL 3801</td>
<td>Computer Organization</td>
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<tr>
<td>EEE 4309C</td>
<td>Electronics II</td>
<td>4 hrs</td>
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<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fund</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4767C</td>
<td>Embedded Systems</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**5. Approved Technical Electives**
    - (10 hrs)

Technical electives should be taken at the 5000 or 6000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.
6. Departmental Graduation Requirements (6 hrs)

- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs

**CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.**

7. Foreign Language Requirements (0-8 hrs)

**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

**Total Semester Hours Required (B.S.E.E.)** 128 hrs

9. Shared B.S.E.E/M.S.E.E. 10-12 hrs

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Electrical and Computer Engineering department for a list of acceptable courses.

10. Areas of Study M.S.E.E. 18-20 hrs

Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options.

Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).

- Communication Track
- Controls/Robotics Track
- Digital Signal Prosension Track
- Electromagnetics Track
- Electronics/Power Electronics Track
- Electro-Optics Track
- Solid State and Microelectronics Track
- VLSI Design Track

**Total Semester hours (B.S.E.E/M.S.E.E.)** 146-148 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSEEE will be awarded on completion of the total program of study.

The following will be waived for this joint degree program

- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses

**Equipment Fee**

- Full-time Student ............................................... $90 per term
- Part-time Student .................................................. $45 per term

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**HISTORY ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A. and M.A.)**

**College of Arts and Humanities**

CNH 415, 407-823-2224

[http://www.history.cah.ucf.edu/](http://www.history.cah.ucf.edu/)

**Graduate program E-mail:** hisgrad@ucf.edu

**Undergraduate program E-mail:** history@ucf.edu

Chair: Rosalind J. Beiler, 407-823-2225

Graduate Program Director: Hong Zhang

**Purpose of this degree** - This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in five instead of six years for students enrolled in full-time course work.

**Admission Requirements**

- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History department
- Students will be formally admitted to the master’s program following receipt of the BA degree

**Undergraduate Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major
- Students should consult with the departmental graduate director
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000- level courses to meet this requirement.
- Students must compile a portfolio of their written work in history completed inside and outside the classroom.
- The B.A. will be awarded after completion of 36 hours of history classes
- The M.A. will be awarded upon completion of the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements)

**Graduate Degree Requirements**

- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take 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 MA year
- Students complete and defend a master's thesis in six hours

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**UCF**

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Accelerated Undergraduate-Graduate Programs

Undergraduate Requirements

1. UCF General Education Program (36 hrs)
(See the history major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (0 hrs)
   AMH 2010*  U. S. History: 1492-1877  GEP
   AMH 2020*  U. S. History: 1877-Present  GEP
*See Transfer Notes for possible substitutes
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements (9 hrs)
   HIS 4150  History & Historians  3 hrs
   Select one sequence
   EUH 2000, 2001  Western Civilization I & II  6 hrs
   WOH 2012, 2022  World Civilization I & II

4. Upper Division Restricted Electives (21 hrs)
(Must be taken within the History Department)
Select six hours of approved history courses within three of the four geographic regions 18 hrs
   1. Asian, African, and Middle Eastern
   2. British and European
   3. Latin American
   4. U.S. and Canadian
Select three hours of approved history courses 3 hrs
Students may substitute nine hours of 5000- or 6000-level course work for 5000- or 4000-level courses

5. Departmental Exit Requirements
   ■ Maintain a minimum GPA of 3.5 in upper division required courses attempted
   ■ Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers
   ■ Students must complete at least 18 of the required 36 history hours at UCF
   ■ Computer competency met by completion of the major

6. Foreign Language Requirements 0-8 hrs
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements - BA
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 36 hours of course work must be completed in residence at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   ■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Overall History MA Requirements (36 hrs)*
*Nine hours of graduate work are earned in the senior year, in consultation with the history graduate director.

1. Required Graduate Courses (12 hrs)
   HIS 6159  Historiography  3 hrs
   HIS 6905  Capstone Course  3 hrs
   HIS 6971  Thesis  6 hrs

2. Courses in Area of Concentration (18 hrs)
   Assumes that nine additional hours of graduate courses were taken during the senior year.

3. Outside Area of Concentration in History (6 hrs)

4. Foreign Language Requirement
   Students will also be expected to demonstrate reading competency in one foreign language. The foreign language competence must be completed one semester prior to the thesis defense.

5. Examination Requirements
   Each candidate for the M.A. in History must pass written examinations in two fields upon conclusion of regular course work and before beginning a thesis. These examinations must be taken and passed as part of the requirements for the Capstone course. Each student will also submit a thesis prospectus and preliminary bibliography, which the three members of the student’s thesis committee judge acceptable as the preliminary step to beginning the thesis.

Minimum Hours Required for M.A. - 36 Semester Hours (nine hours of which also count toward the B.A. degree)

Related Programs: Humanities
Related Minors: African-American Studies, American Studies, Asian Studies, History, Humanities, Judaic Studies, Latin American Area Studies, Middle Eastern Studies, Women’s Studies

Transfer Notes:
   ■ Courses taken at community colleges do not substitute for upper division courses.
   ■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
   ■ AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. However AMH 2010 and 2020 are prerequisites for all subsequent American history courses and will need to be taken for the major.

INDUSTRIAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM
(B.S.I.E./M.S.I.E.)
College of Engineering and Computer Science
Industrial Engineering and Management Systems Department
ENG2 312, 407-823-2204; Fax: 407-823-3413
http://www.iems.ucf.edu

Admission Guidelines
   ■ See Common Program Prerequisites
   ■ Qualified students may apply after completion of a minimum of 60 credit hours
   ■ Completion of the GRE with a highly competitive score by the end of first semester of the junior year
   ■ Admission is not automatic. Interested students may need to be interviewed.

1. UCF General Education Program (36+2 hrs)
(See Industrial Engineering major in the Catalog for track specific GEP requirements)

2. Common Program Prerequisites (CPP’s) (19 hrs)
(See Industrial Engineering major in the Catalog for the CPP requirements)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Courses Required for the Industrial Engineering Core (17 hrs)
(See Industrial Engineering major in the Catalog for a listing of Industrial Engineering core requirements)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements.
### Accelerated Undergraduate-Graduate Programs

#### EGN 1006C  Intro to the Engineering Profession
1 hr

#### EGN 1007C  Engineering Concepts & Methods
1 hr

#### COP 3232  Introduction to C Programming
3 hrs

#### EGN 3310  Engineering Analysis - Statics
3 hrs

#### EGN 3321  Engineering Analysis - Dynamics
3 hrs

#### EGN 3358  Thermo-Fluids-Heat Transfer
3 hrs

#### EGN 3343  Thermodynamics
3 hrs

#### EGN 3375  Principles of Electrical Engineering
3 hrs

#### Courses Required for the Major (43 hrs)

The Industrial Engineering and Management Systems department requires all students within the major to achieve a 2.0 GPA or better in each course listed in sections 4., 5., and 6. Graduate courses (*) used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor.

#### 4. Departmental Graduation Requirements (6 hrs)

* ENGR 307, 407-823-2416; Fax: 407-823-0208

#### 5. Approved 5000 or 6000 level Technical Elective (5 hrs)

Technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

#### 6. Departmental Graduation Requirements (6 hrs)

* EIN 4516C  Systems Analysis & Design
3 hrs

* EIN 4891C  IE Senior Design Project
3 hrs

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

#### 7. Foreign Language Requirements (0-8 hrs)

**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

#### 8. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 45 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

#### Total Semester Hours Required (B.S.I.E.) 128 hrs

#### 9. Shared B.S.I.E./M.S.I.E.

12 hrs

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

#### 10. Areas of Study M.S.I.E.

18 hrs

Students must complete all requirements within the masters program that they are admitted to. See the list below for possible options. Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).

#### Total Semester hours (B.S.I.E./M.S.I.E.) 146 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSIE will be awarded on completion of the total program of study.

The following will be waived for this joint degree program:

- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

#### Equipment Fee

- Full-time Student: $90 per term
- Part-time Student: $45 per term

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**MECHANICAL ENGINEERING ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.M.E. /M.S.M.E., M.S.M.S.E., or M.S.A.E.)**

**College of Engineering and Computer Science**

**Mechanical, Materials, and Aerospace Engineering Department**

ENGR 307, 407-823-2416; Fax: 407-823-0208

http://www.mmae.ucf.edu

**Admission Guidelines**

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

1. **UCF General Education Program** (36+2 hrs)

(See Mechanical Engineering major in the Catalog for track specific GEP requirements)

2. **Common Program Prerequisites (CPP’s)** (19 hrs)

(See Mechanical Engineering major in the Catalog for the CPP requirements)

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. **Courses Required for the Major** (65 hrs)

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<tr>
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<th>Title</th>
<th>Hours</th>
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<td>EGN 1006C</td>
<td>Intro to the Engineering Profession</td>
<td>1 hr</td>
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<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts &amp; Methods</td>
<td>1 hr</td>
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<tr>
<td>COP 3232</td>
<td>Introduction to C Programming</td>
<td>3 hrs</td>
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<tr>
<td>EGN 3310</td>
<td>Engineering Analysis - Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis - Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3375</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3380</td>
<td>Principles of Cost Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3381</td>
<td>Feedback Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3382</td>
<td>Machine Design &amp; Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 2001</td>
<td>Solid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3071</td>
<td>Fluid Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3142</td>
<td>Hydrology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3220</td>
<td>Vibration Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ELM 3304C</td>
<td>Modeling Methods in MMEA</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ELM 3303C</td>
<td>Mechanical Engr Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ELM 3152C</td>
<td>Computer-Aided Design for Manufacture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ELM 3150</td>
<td>Mechanical Systems Exp. Tech.</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ELM 3152C</td>
<td>Computer-Aided Design for Manufacture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ELM 3150</td>
<td>Mechanical Systems Exp. Tech.</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ELM 3152C</td>
<td>Computer-Aided Design for Manufacture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ELM 3150</td>
<td>Mechanical Systems Exp. Tech.</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Select one of the following three options for your senior year to complete your BSME.

- **Energy Systems Option**
- **Design Systems Option**
- **Manufacturing Systems Option**

See the UCF Undergraduate Catalog for more information. **(21 hrs)**
Accelerated Undergraduate-Graduate Programs

b. Mechanical Systems Option

EML 4304C Thermo-fluids Measurements 2 hrs
EML 3262 Kinematics of Mechanisms 3 hrs
EGM 3601L Solid Mechanics Lab 2 hrs
EML 4221C Mechanical Systems Exp. Tech. 2 hrs
Approved Electives 12 hrs

c. Materials Option

EMA 3012C Experimental Techniques in Mech & Materials 3 hrs
EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs
EMA 312T Design and Selection of Materials 3 hrs
EMA 4223 Fundamentals of Mech. Behavior of Materials 3 hrs
Approved Electives 9 hrs

4. Approved Technical Electives

Technical electives should be taken at the 5000 or 6000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

5. Departmental Graduation Requirements (6 hrs)

EML 450C Engineering Design I 3 hrs
or EGN 4412 Interdisciplinary Design I 3 hrs
EML 450C Engineering Design I 3 hrs
or EGN 4413 Interdisciplinary Design II 3 hrs

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residence at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit.

Total Semester Hours Required (B.S.M.E.) 128 hrs

8. Shared B.S.M.E/M.S.M.E., M.S.M.S.E. or M.S.A.E. 12 hrs

Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

9. Areas of Study M.S.M.E., M.S.M.S.E., or M.S.A.E. 18 hrs

Students must complete all requirements within the masters program that they are admitted to. See the below list for possible options. Detailed information regarding course and graduation requirements can be located in the Graduate Catalog. Students have an end of program option of (1) Thesis or (2) non thesis (see Graduate Catalog for a detailed description of these options).

- Computer–Aided Mechanical Engineering Track
- Mechanical Systems Track
- Miniature Engineering Systems Track
- Professional Track
- Space Systems Design and Engineering Track
- Thermofluid Aerodynamic Systems Design and Engineering Track
- Thermofluids Track

Total Semester hours (B.S.M.E /M.S.M.E., M.S.M.S.E., or M.S.A.E.) 146 hrs

The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSME, MSMSE, or MSAE will be awarded on completion of the total program of study.

The following will be waived for this joint degree program

- The limit of nine hours to be shared between undergraduate and graduate programs
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Equipment Fee

- Full-time Student $90 per term
- Part-time Student $45 per term

MOLECULAR BIOLOGY AND MICROBIOLOGY - UCF/USF Accelerated Medical School Program (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
HPA2 335, 407-823-5932
http://www.blimed.ucf.edu
Chair: P.E. Kolattukudy

Students seeking admission to University of South Florida College of Medicine [USF] through the accelerated program will meet all USF/UCF admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of the first year of the medical school curriculum.

Admission Requirements

Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include FL residency, unweighted high school GPA of 3.7 and SAT score of 1300 or ACT of 29. More information about the admission process can be found at http://www.honors.ucf.edu and in Catalog: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a departmental advisor and the Burnett Honors College advisor.
- Grades below a C- (1.75) in the life sciences will not be accepted for students who decelerate.

1. UCF General Education Program (36+3 hrs)

(Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.)

A. Communication Foundations

- Select ENC 1101H Honors Fr Composition I 9 hrs
- Select ENC 1102H Honors Fr Composition II 9 hrs

B. Cultural Historical Foundations

- Select SPC 1603H Honors Fund. Tech Presentations 3 hrs

C. Mathematical Foundations

- Select MAC 2311 4 hrs

D. Social Foundations

- Select STA 2023 3 hrs

E. Science Foundations

- Select BSC 2010C Biology I 4 hrs
- Select ChM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (16 hrs)

- Select BSC 2010C, Biology I 4 hrs
- Select GNC 2011C, Biology II 4 hrs
- Select CHM 2045C*, 2046, Chemistry Fundamentals I, II, + Lab 2046L 4 hrs
- Select CHM 2210, 2211, Organic Chemistry I, II, + Lab 2211L 8 hrs
- Select MAC 2311, Calculus with Analytical Geometry I 4 hrs

*See Transfer Notes for possible substitutes

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
To be eligible for a major in Molecular Biology and Microbiology:

6. Departmental Exit Requirements

To be eligible for a major in Molecular Biology and Microbiology:

- For decelerated program, the student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- For accelerated program the degree is awarded after successful completion of first year USF Medical School program.

5. Additional USF/UCF Requirements (7 hrs)

IDH 1921H Honors Symposium 1 hr
ENC3241/ENC3241H Writing for the Tech Professional 3 hrs
Phi 4455H or Phi 4453H Honors Ethics in Health & Public Affairs 3 hrs
PAF 3753H Honors Ethical Issues in Health & Public Affairs 3 hrs

$106 total hrs

*Students must select at least two honors sections of upper division core requirements or restricted electives, and a total of four lower division courses in honors.

**Students decelerating to the 4 year B.S. program must take the following additional courses:

- MCB 4414 Microbial Metabolism 3 hrs
- 4 additional Upper Division Restricted Electives listed under Molecular Biology and Microbiology B.S. (minimum 11 hrs)

6. Departmental Exit Requirements

To be eligible for a major in Molecular Biology and Microbiology:

- For decelerated program, the student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- For accelerated program the degree is awarded after successful completion of first year USF Medical School program.

7. Electives:

none

8. Foreign Language Requirements (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed at UCF and/or USF

Total Semester Hours Required 120 hrs

For accelerated program, 14 credit hours will be from completion of USF College of Medicine first year courses.

Related Programs: Biology, Interdisciplinary Studies
Related Minors: Biology, Chemistry

Transfer Notes

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- BSC 2011C**: may be substituted by BSC 3403C
- CHM 2045C**: may be substituted by CHM 2040C, 2041C

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

NURSING ACCELERATED SECOND DEGREE

C. BACHELOR OF SCIENCE IN NURSING (BSN) OPTION

(For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university)

College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; Undergraduate Coordinator: Patricia Leli

Admission Requirements

Limited Access

Acceptance to the university does not constitute admission to the upper division nursing program.

- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu/.
- Application to the university must also be submitted by the program deadline.
- Applicants who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.
- Students who have attended the UCF as degree seeking undergraduate students should apply through the Registrar’s Office.
- These students complete the “Readmission Application” form.
- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
- All applicants must have a minimum overall GPA of 3.0.
- At least seven of the nine required prerequisites cover
Accelerated Undergraduate-Graduate Programs

(Chemistry and Lab, at least 2 additional courses from Group A and the remainder from Group B) must be completed by the application deadline.

*Chemistry with Lab (required with grade of B- or better)

Group A (grade of B- or better)
*Microbiology with Lab
*Anatomy with Lab
*Physiology with Lab (or A&P I, II)

Group B (grade of C or better)
*Sociology
*Psychology
*Developmental psychology
*Nutrition
*Statistics

A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.

All applicants must complete a mandatory accelerated second degree program information session, online or in person, prior to submitting the application.

Graduates are eligible to take the licensing examination for registered nurses (NCLEX-RN). The program is accredited by the Commission of Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.

A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.

UCF Residency requirement: 30 hours (if applicable).

Any variation from the stated prerequisite must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

1. UCF General Education Program

NA

2. Common Program Prerequisites

(31 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 2004C</td>
<td>Health Microbiology (S**)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032/L</td>
<td>General Chemistry and Lab* (S**)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy** (S**)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology** (S**)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or 2023</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOW 3104</td>
<td>Assessing Human Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or DEP 2004</td>
<td>Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>HUN 3031</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*General chemistry course (3 hr) covering organic/inorganic chemistry and a chemistry lab (1 hr).

**May take Anatomy and Physiology I, II sequence of six-eight total credits.

**S** indicates a science prerequisite.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements

(57-62 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>NUR 4829</td>
<td>Transition to Professional Practice As a Leader</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4XXX</td>
<td>Nursing Elective</td>
<td>3 hrs**</td>
</tr>
</tbody>
</table>

Any variation from the above must be approved by the College of Nursing.

**Students without a research course on transcript must take NUR 3165 (3 hrs)

**Students may petition to waive elective requirement.

4. Upper Division Restricted Electives

(Nursing Elective: Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement)

5. Department Continuation and Exit Requirements

Completion of all courses in major with a grade of “C” (2.0) or better

- UCF GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

6. Electives

none

7. Foreign Language requirements

Admission: none
Graduation: none

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF

Total Semester Hours Required for 2nd Degree BSN 56 hrs

Related Programs: Health Services Administration, Social Work, all health programs

Related Minors: Aging Studies, Psychology, Health Sciences, Health Services Administration

Transfer Notes:

Examples of Community College Equivalent Courses

Prerequisites

- General Psychology (PSY X012) or any General Psychology course 3
- General Sociology (SYG 2000) or any Intro to Sociology course 3
- Statistics (STA 2014C or 2023) or any Statistics course 3
- General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab)* (S**)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094 or BSC X085/X086) (S**)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab (S**)
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course 3
- Human Nutrition with Therapeutic Nutrition course 3

*The first semester of a two semester general chemistry course does not meet requirement (ie CHM 1045, 2045, Chemistry I).
**S** indicates a biological science prerequisite.

Honors

University Honors and Honors in the Major Available

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee

- Full-time Student .............................................. $50 per term
- Part-time Student ............................................. $25 per term

Tentative Course Schedule

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<tr>
<th>Semester</th>
<th>Hours</th>
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<tr>
<td>Summer</td>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>NUR 3825</td>
<td>2</td>
<td>NUR 3125</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>3</td>
<td>NUR 3145</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>3</td>
<td>NUR 3225</td>
</tr>
<tr>
<td>NUR 3028</td>
<td>2</td>
<td>NUR 3225L</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>1</td>
<td>NUR 3445</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>2</td>
<td>NUR 3445L</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>3</td>
<td>NUR 3634L</td>
</tr>
</tbody>
</table>

318 UNIVERSITY OF CENTRAL FLORIDA

2009-2010 Undergraduate Catalog
Degree Requirements

- Maintain a Nursing GPA of 3.0

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements

- Completion of prerequisites for the RN to BSN nursing program

Other
- Students without a research course on transcript must take NUR 3165

NURSING (B.S.N.)

D. RN TO MSN OPTION

College of Nursing

HPA 220, 407-823-2744, E-mail: ucnurse@mail.ucf.edu

http://www.nursing.ucf.edu

Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig; Associate Dean Graduate: Jean Kijek; RN to MSN Coordinator: Barbara Lange

An accelerated program for students who hold an RN license and meet general education requirements, pre-requisites, required GPA and GRE score.

Available for all tracks in the graduate program. Nursing Leadership and Management, Family Nurse Practitioner, Adult Nurse Practitioner, Pediatric Nurse Practitioner, Clinical Nurse Leader, Nurse Educator, and Clinical Nurse Specialist. (See UCF Graduate Catalog for current offerings.) Nine (9) to twelve (12) graduate credit hours may be applied toward meeting requirements of both BSN and MSN programs.

Admission Requirements

**Limited Access**

Acceptance to the university does not constitute admission to the RN to MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our Web site at http://www.nursing.ucf.edu for application materials. All applicants must meet the following criteria:

- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida community college, including CLAST (or exempt)
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework)
- A minimum combined GRE score of 900 on the verbal/quantitative exams.

Admitted to UCF undergraduate program

- Two professional references addressing qualifications and ability to succeed in graduate school
- Resume
- Letter of Intent/Goal statement

Interim Requirements:

- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Nursing Phase: (To be met one semester before the BSN is awarded)

- Application to and acceptance by the UCF Office of Graduate Studies (see Graduate Studies Web site for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- An updated resume

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college or other universities.
- UCF Residency Requirement: 30 hours.

The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements.

The MSN is awarded after program completion.

The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

An individualized plan of study is developed for each student admitted to the RN to MSN option.

1. UCF General Education Program (36+1 hrs)

   A. Communication Foundations 9 hrs
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 1008
   B. Cultural Historical Foundations 9 hrs
      1. Prefer MAC 2214
      2. Select STA 2014C
   C. Mathematical Foundations 6 hrs
      1. Select MAC 2203 or STA 2014C
   D. Social Foundations 6 hrs
      1. Select SYG 2000 or PSY 2023
      2. Select one: ECO 2013, or ECO 2023, or POS 2041
   E. Science Foundation** 7 hrs
      Select BSC 2010C (4)
      Select CHM 1032 (3)

   *One of these courses is required to meet General Education requirements, but both are required nursing program prerequisites.

   **Science Foundation is 6 credit hours for General Education Program; however nursing program prerequisite requires 7 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a core prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites 21 hrs

   A. Communication Foundations 9 hrs
      1. ENC 1101 & ENC 1102
      2. Prefer SPC 1008
   B. Cultural Historical Foundations 9 hrs
      1. Prefer MAC 2214
      2. Select STA 2014C
   C. Mathematical Foundations 6 hrs
      1. Select MAC 2203 or STA 2014C
   D. Social Foundations 6 hrs
      1. Select SYG 2000 or PSY 2023
      2. Select one: ECO 2013, or ECO 2023, or POS 2041
   E. Science Foundation** 7 hrs
      Select BSC 2010C (4)
      Select CHM 1032 (3)

   *May take Anatomy and Physiology sequence of six-eight total credits.

   **Also meets General Education Requirements.

   Applicants should see a UCF Nursing Advisor for possible course substitutions.

   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (30 hrs)

   UCF Upper Division Requirements

   NUR 3605 Dimensions of Professional Nursing Practice 3 hrs
   NUR 3165 Nursing Research 3 hrs
   NUR 3634 Community Health Nursing 3 hrs
   NUR 4837 Health Care Issues, Policy, & Econ 3 hrs
   NUR 4637 Public Health Nursing 2 hrs
   NUR 4604L Practicum in Community and Public Health 4 hrs
   NUR 3065L Practicum for RNs

   Students in the Nurse Educator/Clinical Nurse Leader, and Nurse Practitioner tracks take the following (12 credits) (nine graduate credits also applied to MSN)

   Students in the Clinical Nurse Specialist Track take the following (12 credits) (nine graduate credits also applied to MSN)

   Students in the Nursetrading and Management Track take the following (12 credits) (nine graduate credits also applied to MSN)
### Upper Division Credit*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1</td>
</tr>
<tr>
<td>NUR 3725L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I Clinical</td>
<td>2</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2</td>
</tr>
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<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II Clinical</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Nursing Clinical</td>
<td>2</td>
</tr>
</tbody>
</table>

*May be met by validation

### 4. Upper Division Restricted Elective

none

### 5. Departmental Exit Requirements

- Completion of all courses in major with a grade of “B” (3.0) or better
- Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

### 6. Electives

Variable to meet degree requirements.

### 7. Foreign Language Requirements

(0-8 hrs)

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).

### 8. University Minimum Exit Requirements

(For students exiting upon earning BSN.)

- A 2.0 UCF GPA and 2.5 Nursing Major GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

### Total Semester Hours Required BSN

120 hrs

### Related Programs:

Health Services Administration, all health programs

### Related Minors:

Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

### Equipment Fee

- Full-time Student ........................................ $90 per term
- Part-time Student ......................................... $45 per term
STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

The University offers eight specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in one of the following eight programs: Applied Science, Criminal Justice Technology, Electronics Engineering Technology, Business Administration, Hospitality Management, Computer Engineering Technology - Network Specialization, Nursing, and Radiography.

Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice or Computer Engineering Technology) from a Florida public community college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community college and then transfer into the appropriate non-A.S. to B.S. program at UCF.
3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.
4. Students should write on the front of their application for admission to UCF, “A.S. - B.A./B.S.” or select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.
5. Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.
6. Students with Associate in Applied Science (AAS) degrees are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access programs in Nursing and Radiologic Sciences or programs that require specific grades in particular courses for admission.

Students should consult with their community college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites. Students are still required to complete all of the components of the Gordon Rule and CLAST prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. The total hours required for the General Education Program (GEP) will be 36 hours, excluding any necessary remediation.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department or the Director of Transfer Services, (407) 823-2231.

APPLIED SCIENCE (B.A.S.)

A.S. to B.A.S.

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

Office of Undergraduate Studies
Regional Campuses Administrative Offices
12201 Research Parkway, Suite 101
407-823-4547
http://www.regionalcampuses.ucf.edu/

Director of Regional Campuses Advising: Helen Hill, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making.

Students are allowed to take lower level, general education classes at the main campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to UCF Registrar prior to their graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 36 hours at UCF.

If students wish to take an upper division course at the main Orlando campus they should see a Regional Campuses’ academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547.

Admission Requirements
Completion of an A.S. degree from a Florida public community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.

Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including CLAST, Gordon Rule, Foreign Language Admission and General Education.

1. UCF General Education Program (36 hrs total)

Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:

A. Communication Foundations
   - A. Communication
   - 9 hrs

B. Cultural and Historical Foundations
   - B. Social Foundations
   - 6 hrs

C. Mathematical Foundations
   - C. Mathematical Foundations
   - 6 hrs

D. Science Foundations
   - D. Science Foundations
   - 6 hrs

2. Common Program Prerequisites

3. Required Core (10-11 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal &amp; Ethical Environment for Business</td>
</tr>
<tr>
<td>or</td>
<td>PLA 3013</td>
</tr>
<tr>
<td>or</td>
<td>MAN 3025</td>
</tr>
<tr>
<td>or</td>
<td>ENC 3241</td>
</tr>
<tr>
<td>or</td>
<td>ENC 3250</td>
</tr>
</tbody>
</table>

4. Area of Concentration (Choose one)

All tracks are not available at all locations.

A. Supervision and Administration Track: (20 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>INP 3004</td>
<td>Industrial/Organizational Psychology</td>
</tr>
<tr>
<td>ISM 3011C</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
</tr>
<tr>
<td>MAN 3302</td>
<td>Essentials of Human Resource</td>
</tr>
<tr>
<td>MAN 3354</td>
<td>Management for Non-business Majors</td>
</tr>
<tr>
<td>ACG 3082</td>
<td>Accounting for Non-business majors</td>
</tr>
</tbody>
</table>

B. Industrial Operations Track: (21 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETI 3116</td>
<td>Applied Quality Assurance</td>
</tr>
<tr>
<td>ETI 3671</td>
<td>Technical Economics</td>
</tr>
<tr>
<td>ETI 4186</td>
<td>Applied Reliability</td>
</tr>
<tr>
<td>ETI 4635</td>
<td>Technical Administration</td>
</tr>
<tr>
<td>ETI 4640</td>
<td>Operations Management for Technologists</td>
</tr>
<tr>
<td>ETI 4448</td>
<td>Applied Project Management</td>
</tr>
<tr>
<td>CET 3010</td>
<td>Introduction to Information Technology</td>
</tr>
</tbody>
</table>

321
Criminal Justice Track: (18 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- Choose two from the courses listed below: 6 hrs
  - CJC 3510 Prosecution and Adjudication (3 hrs)
  - CJC 3510 The Corrections and Penology (3 hrs)
- CJE 4014 Police and Society (3 hrs)
- Six additional semester hours of CCJ, CJC, CJE, CCL, or CJT courses; Selected with the aid of an academic advisor 6 hrs

Legal Studies Track: (18 hrs)
- PLA 3015 Law and the Legal System 3 hrs
- PLA 3104 Legal Research 3 hrs
- Choose four from the courses listed below: 12 hrs
  - PLA 3155 Legal Writing (3 hrs)
  - PLA 3201 Civil Practice and Procedure (3 hrs)
  - PLA 3273 Law of Torts (3 hrs)
  - PLA 3308 Criminal Procedure (3 hrs)
  - PLA 4423 The Law of Contracts (3 hrs)
  - PLA 4700 Professional Ethics and Liability (3 hrs)

Health Services Administration Track: (18 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health Services 3 hrs
- HSA 4180 Organization and Management for Health Agencies 3 hrs
- HSA 4191 Health Care Automation (PR: CGS 2100C) 3 hrs
- HSC 4500 Epidemiology (PR: STA 2014C or STA 2023) 3 hrs
- Choose One:
  - HSC 4652 Health Law and Ethics or
  - HSA 4199 Managed Care or
  - HSA 4502 Risk Management or
  - HIM 4506C Quality Management or
  - HSA 4702 Health Science Research Methods 3 hrs

Information Technology Track: (21 hrs)
Students are strongly urged to complete STA 2023 within the general education program.
- CET 3010 Introduction to Information Technology (PR: MAC 1105) 3 hrs
- CET 2364 System Applications in C (PR: MAC 1105) 3 hrs
- CET 3679 Introduction to Telephony 3 hrs
- CET 3303 System Analysis 1 3 hrs
- CET 4427 Applied Database 1 3 hrs
- CET 4505 Applied Operating Systems 1 3 hrs
- ETI 4448 Applied Project Management 3 hrs

Early Childhood Education Track: (21 hrs)
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children (PR: EEC 3700) 3 hrs
- EEX 4751 Parent Involvement 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- EEX 3450 Young Children with Special Needs 3 hrs

Modern Language Requirement (0-8 hrs)
Admission Requirements:
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation:
- University Minimum Exit Requirements
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 42 semester hours of upper division credit completed
  - 30 of the last 36 hours of course work must be completed in residence at UCF
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
  - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 hrs

Transfer Notes
- Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 or 36 hours at UCF.
- Courses taken at community colleges do not substitute for upper division courses.
- All students seeking a baccalaureate degree from a State of Florida Institution are required to satisfy the CLAST requirement. Transfer students with more than 60 semester hours who have not taken the CLAST or who have not met the CLAST requirement may be admitted, but they must take the CLAST exam during their first semester at UCF.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

CRIMINAL JUSTICE (B.S.)
A.S. to B.S. TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies
HPA 311, 407-823-2603
http://www.coehpa.ucf.edu/crim.jus/
E-mail: cjadvise@mail.ucf.edu

Undergraduate Program Director: Mary Ann Eastep

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida Community College.
- Students must earn a minimum 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (36 hrs)
Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
- Communication Foundations
- Cultural Historical Foundations
- Mathematical Foundations
- Social Foundations
- Science Foundations

2. Common Program Prerequisites
Completed as part of the approved A.S. program
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements (18 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CJC 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

Undergraduate Catalog
University of Central Florida 2009-2010 Undergraduate Catalog
Statewide Articulated A.S. To B.S. Programs

### 1. UCF General Education Program (14 hrs)
- 27 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
- 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

### 2. Common Program Prerequisites (CPP) (4 hrs)
- A grade of "C" (2.0) or better is required in all prerequisites.
- **MAC 2311** or **MAC 2263**
- **MAC 2312** or **MAC 2254** or equivalent
- **PHY 2048** and **PHY 2048L**
- **or PHY 2053C**
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Engineering Technology Core Requirements (22 hrs)
- **ETG 3541** Applied Mechanics 3 hrs
- **ETI 3671** Technical Economic Analysis 3 hrs
- **ETI 4448** Applied Project Management 3 hrs
- **ETI 3116** Engineering Quality Assurance 3 hrs
- **ENC 3241** Technical Report Writing 3 hrs
- **PHY 2049** and **PHY 2049L** or **PHY 2054C** 4 hrs
- **STA 2023** Statistical Methods I 3 hrs

### 4. Upper Level Required Courses (23 hrs)
- **ETG 4950C** Senior Design Project 3 hrs
- **ETG 4955C** Senior Design Project 3 hrs

### 5. Upper Level Technical Electives (4 hrs)
- Select four hours from the following:
  - **CET 3145C** Applied Microprocessor Technology 3 hrs
  - **CET 4138C** Digital Programmable Devices 3 hrs
  - **CET 4134C** Microprocessor Electronics II 3 hrs
  - **CET 3198C** Linear Integrated Circuits 3 hrs
  - **CET 4145C** Power Systems 3 hrs
  - **CET 4148C** Feedback Control Systems 3 hrs

### 6. Departmental Exit Requirement (3 hrs)
- **CET 4333** Computer Organization & Design 3 hrs
- **CET 4138C** Digital Programmable Devices 3 hrs
- **CET 4145C** Applied Microprocessor Technology 3 hrs
- **CET 4148C** Power Systems 3 hrs
- **CET 4149C** Feedback Control Systems 3 hrs

### 7. Foreign Language Requirements
- Graduation: none

### 8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required: 130 hrs

### Related Programs:
- Legal Studies
- Public Administration, Psychology

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### ELECTRICAL ENGINEERING TECHNOLOGY (BSET) A.S. to B.S.E.E.T. CONCENTRATION

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Engineering and Computer Science

Engineering Technology (ENT) Department

ENGR 207, 407-823-4749; Fax: 407-823-4746

http://www.ent.ucf.edu

Coordinator: Alireza Rahrooh, E-mail: rahrooh@mail.ucf.edu

**Admission Requirements**
- Completion of a Statewide Articulated A.S. in Electrical Engineering Technology from a Florida public community college which is composed of 68 hours of course work, including at least 22 hours of transferable General Education courses.

**Degree Requirements**
- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

**1. UCF General Education Program** (14 hrs)
- A. Communication Foundations 3 hrs
- B. Cultural and Historical Foundations 3 hrs
- C. Mathematical Foundations 4 hrs
  1. Select MAC 2311 or MAC 2253
- D. Social Foundations (0 hrs)
  1. Select PHY 2048 and PHY 2048L or PHY 2053C

**Note:** See PHY component under Section 2.

**2. Common Program Prerequisites (CPP)** (4 hrs)
- MAC 2311 or MAC 2253
- MAC 2312 or MAC 2254 or equivalent
- PHY 2048 and PHY 2048L
- or PHY 2053C

**3. Engineering Technology Core Requirements** (22 hrs)
- ETG 3541 Applied Mechanics 3 hrs
- ETI 3671 Technical Economic Analysis 3 hrs
- ETI 4448 Applied Project Management 3 hrs
- ETI 3116 Engineering Quality Assurance 3 hrs
- ENC 3241 Technical Report Writing 3 hrs
- PHY 2049 and PHY 2049L or PHY 2054C 4 hrs
- STA 2023 Statistical Methods I 3 hrs

**4. Upper Level Required Courses** (23 hrs)
- ETG 4950C Senior Design Project 3 hrs
- ETG 4955C Senior Design Project 3 hrs

**5. Upper Level Technical Electives** (4 hrs)
- Select four hours from:
  - CET 3145C Applied Microprocessor Technology 3 hrs
  - CET 4138C Digital Programmable Devices 3 hrs
  - CET 4134C Microprocessor Electronics II 3 hrs
  - CET 3198C Linear Integrated Circuits 3 hrs
  - CET 4145C Power Systems 3 hrs
  - CET 4148C Feedback Control Systems 3 hrs
  - CET 4149C Feedback Control Systems 3 hrs

**6. Departmental Exit Requirement** (3 hrs)
- CET 4333 Computer Organization & Design 3 hrs
- CET 4138C Digital Programmable Devices 3 hrs
- CET 4145C Applied Microprocessor Technology 3 hrs
- CET 4148C Power Systems 3 hrs
- CET 4149C Feedback Control Systems 3 hrs
- CET 3222 Intro to Photonics 3 hrs

**7. Foreign Language Requirements** (0-8 hrs)
- Graduation: none

**8. University Minimum Graduation Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits are permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

**Total Semester Hours Required:** 134 hrs

**Related Programs:** Electrical Engineering Technology (Electrical Systems Concentration).

**Related Minors:** none

**Transfer Notes:**
- Students transferring from any Florida public institution with an A.A. or with the General Education Program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- ENT Departmental Residency Requirements consist of at least 33 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L can substitute for PHY 2053C.

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fee**
- Full-time Student ........................................ $90 per term
- Part-time Student ......................................... $45 per term
Statewide Articulated A.S. To B.S. Programs

Junior Year

Fall
- MAC 2233 Applied Calc I or MAC 2311 Calc w/Analyt Geom I 13 hrs
- STA 2023 Statistical Methods I 3 hrs
- SPC 1608 Oral Communications 3 hrs
- PHY 2053C/2048 Physics I 4 hrs
- Summer 6 hrs
- Cultural/Historical Foundation 3 hrs

Spring
- PHY 2054C/2049 w/ lab 4 hrs
- STA 2023 Applied Calculus 3 hrs
- SPC 1608 Oral Communications 3 hrs
- EET 3116 Electrical Engineering Elect 3 hrs
- Cultural/Historical Foundation 3 hrs

Senior Year

Fall
- EET 4540C Power Systems 14 hrs
- EET 4158C Linear Int Cir 3 hrs
- CET 2124 Microcomputer Tech I 3 hrs
- MAC 2312, 2254 or MAP 3401 4 hrs
- CET 4333 Comp Org & Design 3 hrs
- Upper level elective 4 hrs
- CET 4134C Microprocessor Elec II 3 hrs

Spring
- EET 4732C Feedback Control Sys 13 hrs
- EET 4158C Linear Int Cir 4 hrs
- CET 4671 Tech Economic Analysis 3 hrs
- ENC 3241 Writing Tech Pros 3 hrs
- CET 3198C Digital Systems 3 hrs

5. Second Level Core (5 courses):
- Students must take one course from each of the following areas:
  - Economics (must take ECP 4703), Finance, Management, Management Information Systems (MIS), and Marketing. These five courses are restricted to the courses listed below:

Finance
- FIN 3303 Financial Markets
- FIN 3414 Intermediate Corporate Finance
- FIN 3504 Investment Analysis

Management
- MÁN 3301 Management of Human Resources
- MAN 4240 Organizations: Theory and Behavior
- MAN 4441 Conflict Resolution and Negotiation
- GEB 3113 How to Start a Business

Management Information Systems
- ISM 3253 MIS Techniques
- ISM 4153C Enterprise Information Systems
- ISM 4154 Enterprise Application Development

Marketing
- MAR 3613 Marketing Research & Analysis
- MAR 3403 Sales Force Management
- MAR 3611 Service Marketing
- MAR 4156 International Marketing
- MAR 4841 Marketing Research & Analysis

Economics*
- ECO 3411 Quantitative Business Tools II 3 hrs
- ECO 3101 Microeconomics 3 hrs
- ECO 4203 Microeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs

*At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

4. Special college and/or department requirements:
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied toward the major.

6. 4000 Level Requirement:
- At least two of the second level courses must be at the 4000 level.

7. A.S. Transfer Classes
- Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

8. Foreign Language Requirements
- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficien-

Graduation: none

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 80 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)
10. Electives*** (variable)

Must be outside the College of Business

Total Semester Hours Required 132 hrs

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Macroeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration.
- Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................... $30 per term
- Part-time Student .......................................... $15 per term

HOSPITALITY MANAGEMENT (B.S.)
A.S. to B.S. TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

Admission Requirements
Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study.

Degree Requirements
1. UCF General Education Program (GEP) (18 hrs)

Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A. Communication Foundations
B. Cultural and Historical Foundations
C. Mathematical Foundations
D. Social Foundations
E. Science Foundation

2. Common Program Prerequisites (3 hrs)

HFT 1000 Introduction to Hospitality Management 3 hrs
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Hospitality Management Core (27 hrs)

CGS 2100C Computer Fundamentals of Business
or STA 2023 Statistical Methods I (GEP)
ECO 2013 Macroeconomics
or ECO 2023 Microeconomics (GEP)
MAC 1202 College Algebra
HFT 3540 Guest Services Management 3 hrs
HFT 3431 Hospitality Managerial Accounting 3 hrs
HFT 4295 Leadership and Strat Mgmt in Hospitality Industry 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4941 Internship I 1 hr
HFT 4944 Internship III 1 hr
HFT 3933 Distinguished Lectures in Hosp. Mgt. 1 hr

Select 3 of the following 5 courses to complete the core

HFT 3700 Tourism Management 3 hrs
HFT 3263 Restaurant Management 3 hrs
HFT 3273 Principles of Resort Time Sharing 3 hrs
HFT 4755 Theme Park and Attraction Mgmt 3 hrs
HFT 4277 Yacht, Country and City Club Management 3 hrs

4. Special School Requirements:

- Grades of “C-” (1.75) or below do not transfer into the Hospitality Management core or restricted electives.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Exam Week only.

5. Restricted Electives (15 hrs)

Generalist Track: Students must take 15 credit hours (five courses) of Hospitality Management courses in the Hospitality Management Specialized Tracks or the restrictive electives in other degree programs (see Restaurant and Food Service Management B.S. and/or Event Management B.S.) offered by the Rosen College. Please note: No more that 2 courses (6 credit hours) may be taken from any one track or degree program at the Rosen College of Hospitality Management to satisfy the restricted elective requirement.

OR

Specialized Tracks: Students must complete one of the six Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

SPECIALIZED TRACKS – Select one of the tracks below

A. Vacation Ownership Resort Management Track – 15 hrs

(5 Courses)

HFT 4275 Development of Vacation Ownership Resorts 3 hrs
HFT 4274 Vacation Ownership Resort Management 3 hrs
HFT 4522 Vacation Ownership Resort Sales Tactics and Strategies 3 hrs
HFT 4442 Vacation Ownership Resort Reservations/ Data Base Systems 3 hrs
HFT 4343 Hospitality Facilities Planning & Design 3 hrs

B. Theme Park and Attraction Mgmt Track – 15 hrs

(Choose 5 Courses from the following list)

HFT 4786 Managing the Guest Experience in Theme Parks and Attractions 3 hrs
HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry 3 hrs
HFT 4532 Managing the Employee Experience in Theme Parks and Attractions Industry 3 hrs
HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 3784 Amusement Technology 3 hrs
HFT 4614 Risk Management in Theme Parks 3 hrs
### Statewide Articulated A.S. To B.S. Programs

**C. Tourism Management Track – 15 hrs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4735</td>
<td>Tourism Geography</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4722</td>
<td>Travel Agency Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4762</td>
<td>Current Practices in the Airline Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4736</td>
<td>Destination Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4561</td>
<td>Destination Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3770</td>
<td>Cruise Line Operations and Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**D. Lodging Management Track – 15 hrs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3323</td>
<td>Hospitality Physical Plant Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4243</td>
<td>Hospitality Facilities Planning &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>Hotel Operations</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3515</td>
<td>Reservations Sales &amp; Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

**E. Hospitality Financial Management and Technology – 15 hrs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4442</td>
<td>Vacation Ownership Resort Reservations/ Data Base Systems</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4457</td>
<td>Food, Beverage and Labor Cost Controls</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4413</td>
<td>Technology Applications for Management Decision Making</td>
<td>3</td>
</tr>
</tbody>
</table>

**F. Golf and Club Management Track – 15 hrs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3350</td>
<td>Career and Promotional Development in Golf</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>Golf Event Operations</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3356</td>
<td>Concepts and Practices of Golf Assoc.</td>
<td>3</td>
</tr>
<tr>
<td>HFT 2359</td>
<td>Design and Maintenance of Golf Equip</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3353</td>
<td>Golf Planning and Operations I</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3355</td>
<td>Golf Planning and Operations II</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4358</td>
<td>Golf Course Facility Design</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3384</td>
<td>Golf and Club Enterprises</td>
<td>3</td>
</tr>
</tbody>
</table>

**6. Foreign Language Requirements (0-8 hrs)**

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**7. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 42 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable)

**Total Semester Hours Required** 124 hrs

**Community College Transfer Notes**

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- ACG X001 and X011 will substitute for HFT 2401 at UCF.
- Florida public community college students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fee**

- Full-time Student ...........................................$75 per term
- Part-time Student ........................................... $37.50 per term

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**INFORMATION SYSTEMS TECHNOLOGY (B.S.)**

**A.S. to B.S. TRACK**

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)

**College of Engineering and Computer Science**

**Engineering Technology (ENT) Department**

**ENGR 207, 407-823-4748; Fax: 407-823-4746**

[http://www.ent.ucf.edu](http://www.ent.ucf.edu)

**Coordinator:** Bahman Motlagh, E-mail: bmotlagh@mail.ucf.edu

**Admission Requirements**

Students will be admitted to the program with an Associate in Science degree in Computer Engineering Technology Network Specialization. Students admitted under this articulated agreement will be required to satisfy the General Education requirements either at UCF or the courses may be taken at a community college. When applying for admission students need to make sure they indicate on the application form AS-BS IST.

**Degree Requirements**

- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

**1. UCF General Education Program** (36 hrs)

Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S.

**A. Communication Foundations**

- 9 hrs

**B. Cultural and Historical Foundations**

- 9 hrs

**C. Mathematical Foundations**

- 6 hrs

**D. Social Foundations**

- 6 hrs

**E. Science Foundations**

- 6 hrs

**2. Lower Level Required Courses** (33 hrs)

- MAD 2104 Foundations of Discrete Math. 3 hrs
- Lower level technical courses taken at Community College 30 hrs

**3. Information Systems Technology Core Courses** (26 hrs)

**C (2.0) or better grade required in all courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 3529</td>
<td>Linux/Unix System Admin and Applications</td>
<td>3</td>
</tr>
<tr>
<td>CET 3010</td>
<td>Intro to Info Technology</td>
<td>3</td>
</tr>
<tr>
<td>ETF 2023</td>
<td>Statistical Methods I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>College Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>ETI 4448</td>
<td>Applied Proj Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>ETI 3241</td>
<td>Writing for the Technical Professional</td>
<td>3</td>
</tr>
<tr>
<td>EET 1085C</td>
<td>Electricity &amp; Electronics</td>
<td>4</td>
</tr>
<tr>
<td>EET 1086</td>
<td>Principles of Electrical Circuits</td>
<td>4</td>
</tr>
<tr>
<td>CET 3115C</td>
<td>Digital Technology</td>
<td>4</td>
</tr>
<tr>
<td>CET 2364</td>
<td>Systems Applications in C</td>
<td>3</td>
</tr>
</tbody>
</table>

**4. Required Technical Courses** (21 hrs)

**C (2.0) or better grade required in all courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 4427</td>
<td>Applied Database I</td>
<td>3</td>
</tr>
<tr>
<td>CET 3383</td>
<td>Applied Systems Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>CET 4505</td>
<td>Applied Operating Systems I</td>
<td>3</td>
</tr>
<tr>
<td>CET 3679</td>
<td>Intro to Telephony</td>
<td>3</td>
</tr>
<tr>
<td>CET 4483</td>
<td>Intro to Local Area Network</td>
<td>3</td>
</tr>
<tr>
<td>CET 4333</td>
<td>Computer Organization &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>CET 4748</td>
<td>Wide Area Networks I</td>
<td>3</td>
</tr>
</tbody>
</table>

**5. Technical Electives** (12 hrs)

**C (2.0) or better grade required in all courses**

Choose four from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 3198C</td>
<td>Digital Systems</td>
<td>3</td>
</tr>
<tr>
<td>CET 4138C</td>
<td>Digital Programmable Devices</td>
<td>3</td>
</tr>
<tr>
<td>CET 4931</td>
<td>Current Topics in Technology</td>
<td>3</td>
</tr>
<tr>
<td>CET 4749</td>
<td>Wide Area Network II</td>
<td>3</td>
</tr>
<tr>
<td>MAP 3401</td>
<td>Problem Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CET 4523</td>
<td>Applied Systems Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>CET 4429</td>
<td>Applied Database II</td>
<td>3</td>
</tr>
<tr>
<td>CET 4583</td>
<td>Web Base Systems I</td>
<td>3</td>
</tr>
<tr>
<td>CET 4584</td>
<td>Web Base Systems II</td>
<td>3</td>
</tr>
<tr>
<td>CET 4663</td>
<td>Computer &amp; Networks Security</td>
<td>3</td>
</tr>
<tr>
<td>CET 4668</td>
<td>Practice of Information Security</td>
<td>3</td>
</tr>
<tr>
<td>CET 4882</td>
<td>Network Defense Strategies</td>
<td>3</td>
</tr>
</tbody>
</table>
Senior Year
Fall   12 hrs  Spring   12 hrs
CET 4505 Appl Oper Sys I 3  Tech Elective 3
CET 4477 Appl Database I 3  CET 3393 Applied Sys Analysis I 3
CET 3679 Intro to Telephone 3  Tech Elective 3
CET 4748 Wide Area Networks I 3  Tech Elective 3

NURSING (B.S.N.)
E. AS TO BSN TRACK
(Completion program only for individuals who have a statewide articulated A.S. from a Florida public community college)
College of Nursing
HPA 220, 407-823-2744
http://www.nursing.ucf.edu
E-mail: ucnurse@mail.ucf.edu
Dean: Jean Leuner; Associate Dean Undergraduate: Linda Hennig;
RN to BSN Coordinator: Barbara Lange

This program is available online. Students must complete all university-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home/

Admission Requirements
Limited Access
Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
• A minimum overall undergraduate GPA of 2.5
• Completion of a Statewide Articulated AS in Nursing from a Florida public community college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation December 2000 or later). Individuals who received AS prior to December 2000 or attended school other than a Florida public Community College should follow section “B” – RN to BSN Program.
• Current RN License or license eligible

Degree Requirements
• Completion of all common program prerequisite courses with at least a grade of “C” (2.0) or better in each course
• Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
• The courses designated in sections 1 and 2 below may be taken at a Florida community college or other universities and should usually be completed in the first 60 hours
• A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program
• UCF Residency Requirement: 32 hours

1. UCF General Education Program (36+2 hrs)
Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses already completed.
Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

General Education Program for articulated AS-BS  (36+38 hrs)

A. Communication Foundations  9 hrs
1. ENC 1101 & ENC 1102
2. Prefer SPC 1088
B. Cultural Historical Foundations  9 hrs
1. Select MAC 1105
2. Select STA 2014C
C. Mathematical Foundations  6 hrs
1. SYG 2000
2. PSY 2012
Statewide Articulated A.S. To B.S. Programs

E. Science Foundations:* 6-8 hrs
- BSC 2010C – General Biology
- CHM 1032 & CHM1032L – General Chemistry & Lab
  or Anatomy & Physiology I & II
  or ZOO 3733C & PCB 3703C, Human Anatomy & Physiology

*Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. BSC 2010C is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites

   (18 hrs)
   - PSY 2012 General Psychology** GEP
   - SYG 2000 Sociology** GEP
   - MCB 2004C Health Microbiology 4 hrs
   - CHM 1032 General Chemistry** GEP
   - CHM 1032L General Chemistry Lab 4 hrs
   - ZOO 3733C Human Anatomy** 4 hrs
   - PCB 3703C Human Physiology* 4 hrs
   - STA 2014C Principles of Statistics** GEP
   - or PSY 2023 Statistical Methods i
   - SOW 3104 Assessing Human Development 3 hrs
   - or DEP 2004 Developmental Psychology 3 hrs
   - HUN 3011 Human Nutrition 3 hrs

*May take Anatomy and Physiology sequence of six-eight total credits;
**Also meets General Education Requirements

See a UCF Nursing advisor for possible course substitutions.
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements

   (50 hrs)
   Graduation from an Articulated Associate Degree Nursing program
   - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr
   - NUR 3165 Nursing Research 2 hrs
   - NUR 3634 Community Health Nursing 3 hrs
   - NUR 4282 Leadership, Management and Role Development 3 hrs
   - NUR 4637 Health Care Issues, Policy, & Econ 3 hrs
   - NUR 4637 Public Health Nursing 2 hrs
   - NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs.

   Upper Division Credit* (27 hrs)
   - NUR 4227 Leadership, Management and Role Development 3 hrs
   - NUR 4325 Psychiatric Mental Health Nursing 3 hrs
   - NUR 4325L Psychiatric Mental Health Nursing Clinical 2 hrs
   - NUR 4355 Psychiatric Mental Health Nursing 3 hrs
   - NUR 4355L Psychiatric Mental Health Nursing Clinical 2 hrs

*May be met by validation

4. Upper Division Restricted Elective (6 hrs)
   - NUR XXXX Any two upper-division nursing electives 6 hrs

5. Departmental Exit Requirements
   Completion of all courses in major with a grade of “C” (2.0) or better
   - Cumulative overall GPA of 2.5 or above
   - School of Nursing GPA of 2.5 or above

6. Electives variable to meet degree requirements

7. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: none

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA and a 2.5 Nursing Major GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, and the CLAST (or exemption)

Total Semester Hours Required 128 hrs

Related Programs: Health Services Administration, Social Work, all health programs
Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Progression Requirements:
- Prior to NUR 3805: RN status or eligible to take NCLEX. Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
- Full-time Student ........................................... $50 per term
- Part-time Student .......................................... $25 per term

RADIOLOGIC SCIENCES (B.S.)
A.S. to B.S. TRACK
(Program for individuals who have a statewide articulated A.S. from a Florida public community college)
College of Health and Public Affairs
Department of Health Professions
HPA2 208, 407-823-2747
http://www.coaha.ucf.edu/health/pro/radtransfer.cfm
AS to BS Track Coordinator: Fazal Jameer, E-mail: fjameer@mail.ucf.edu

Admission Requirements
Limited Access
Acceptance to the university does not necessarily constitute admission to the upper division Radiologic Sciences Program. Separate application to the limited access program must be made directly to the program.

- Criminal history information (background check) must be submitted. For Florida residents the criminal history must be certified by the Florida Department of Law Enforcement (FDLE).
- A personal interview is also required.
- Student must complete a Statewide Articulated A.S. in Radiography program from a Florida public community college that is composed of a minimum of 62 hours of course work, including at least 15 hours of transferable General Education courses. Students certified in radiography and in good standing with the American Registry of Radiologic Technologists (ARRT) who have not completed a Statewide Articulated A.S. in Radiography program from a Florida Public Community College may apply for admission but are not eligible to transfer to UCF under the provisions of the statewide articulation agreement.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).
- Students must be certified in radiography and be in good standing with the American Registry of Radiologic Technologists (ARRT).

Degree Requirements
- Students who change to this program must adopt the most current Catalog
- Students should consult with a departmental advisor
- Many of the courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours
A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program.

UCF residency requirement for Radiography: 33 hours

1. UCF General Education Program (21+1 hrs)
   A. Communication Foundations
      Select ENC 1102 and SPC 1608 or SPC 1603
   B. Cultural Historical Foundations
      6 hrs
   C. Mathematical Foundations
      0 hrs
      MAC 1105 (Completed at CC)
      CGS 1060C (Completed at CC)
   D. Social Foundations
      Select ECO 2013 or ECO 2023 or POS 2041
      3 hrs
   E. Science Foundations
      7 hrs
      Select PHY 2053C
      Select BSC 1005 or 1050

2. Common Program Prerequisites (4 hrs)
   CGS 1060C Introduction to Computer Science
   PCB 3703C Human Physiology*
   PHY 2053C College Physics I
   PHY 2054C College Physics II
   ZOO 3733C Human Anatomy*
   MAC 1105 College Algebra
   CC courses completed as part of the approved A.S. program GEP and core courses with the exception of PHY 2053C and 2054C.
   *See Transfer Notes

3. Core Requirements (33 hrs)
   A.S. transfer students will not be required to complete all of the core courses listed below. Specific core course requirements will be based on allowable course transfers and career goals.

   Junior Level
   RTE 3000 Introduction to Radiologic Sciences
   RTE 311C Introduction to Patient Care
   RTE 3503C Radiographic Procedures I
   RTE 3116 Advanced Patient Care
   RTE 3418C Principles of Radiographic Exposure I
   RTE 3804L ST: Clinical Education I
   RTE 3513C Radiographic Procedures II
   RTE 347C Principles of Radiographic Exposure II
   RTE 3614 Physics of Image Production
   RTE 3308 Medical Physics
   STA 2023 Statistical Methods I
   HSC 4505 Pathophysiologic Mechanisms
   RTE 3814L ST: Clinical Education II

   Senior Level
   RTE 4563 Special Radiographic Procedures
   RTE 4782 Pathophysiology
   RTE 4824L Clinical Education III
   RTE 4573 Advanced Imaging Modalities
   RTE 4574 Computed Tomography Protocols or
   RTE 4579 Mag Resonance Imaging Protocols
   RTE 4834L Clinical Education IV
   RTE 4385 Radiobiology
   RTE 4846L Clinical Education V - A
   RTE 4844L Clinical Education V - B
   RTE 4473 Quality Improvement
   RTE 4762 Anatomy for the Medical Imager
   RTE 4206 Leadership in Radiologic Sciences
   RTE 4854L Advanced Clinical Practicum

   Core course requirements will include PHY 2054C. Additional core course requirements will be determined during advisement.

4. Program Exit Requirements (124 hrs)
   A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program.

5. Electives none

6. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: none

7. University Minimum Exit Requirements
   An overall GPA of 2.5
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in residence at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Program Academic Learning Compacts
   Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fee
   Full-time Student ...........................................$50 per term
   Part-time Student ...........................................$25 per term
Classification of Courses

The University course numbering system is as follows:

- **0-0999.** Subcollegiate level and not counted in meeting degree requirements.
- **1000-2999.** Freshman and sophomore level courses and are designed primarily for these students.
- **3000-4999.** Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.
- **5000-5999.** Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).
- **6000-6999.** Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their adviser before registering for 6000-level courses.
- **7000-7999.** Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

Florida’s Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 33 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course number are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed on the next page.)

For example, a freshman composition skills course is offered by 55 different postsecondary institutions. Each institution uses “ENC 101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

<table>
<thead>
<tr>
<th>Example of Course Identifier</th>
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<tbody>
<tr>
<td><strong>Prefix</strong></td>
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<tr>
<td>ENC</td>
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<td>1-0999</td>
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### Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

- **A. Courses not offered by the receiving institution**
- **B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.**
- **C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis, and Dissertations.**
- **D. College preparatory and vocational preparatory courses.**
- **E. Graduate courses.**
- **F. Internships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999.**
- **G. Applied courses in the performing arts (Art, Dance, Interior Design, Music and Theatre and skills courses in Criminal Justice are not guaranteed as transferable.**

### Courses at Nonregionally Accredited Institutions

The Statewide Course Numbering System makes available on its home page (http://scns.fldoe.org) a report entitled “Courses at Nonregionally Accredited Institutions” that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Dr. Elliot Vittes, Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the internet at http://scns.fldoe.org.

### Common Course Numbering System

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>ABT</td>
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<td>ABW</td>
<td>Arabic Literature (Writings)</td>
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<td>AC1</td>
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<td>ACO</td>
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<td>HVACR: Heating/Ventilation/AIR/Refrigeration: Tech/Trades</td>
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<td>AER</td>
<td>Automotive Mechanics</td>
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<td>AHT</td>
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<td>Sanskrit Culture in Translation or Translation Skills</td>
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<td>Sub-Saharan African Languages</td>
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<td>Soil and Water Sciences</td>
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Common Course Numbering System

Courses Numbered 0-999
Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses
In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

**Special Undergraduates**

Directed Independent Studies: 1906, 2905, 3906, 5907
Directed Independent Research: 4912, 5917
Special Undergraduate Research: IDS 3913, 4914
Special Topics/Seminars: 1931, 2930, 3934, 4937

*Internship, Practicum, Clinical Practicum:
Cooperative Education: 1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis: 3970H, 4970H
Honors Directed Reading: 4903H, 4904H
Study Abroad: 4955, 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.
1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.
2Enrollment is limited to those students who are fully admitted to the Graduate Program.
3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours
With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code
Each course listed is followed by a code that shows hours of credit and contact hours.

Example:

**ART 2500C CAH-ART 3(2,4)**

ART 2500C is offered by the College of Arts and Humanities (CAH), in the Department of Art (ART), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.
### UCF Courses and Descriptions

**Finding a Course in this List:** The UCF courses in this section are listed alphabetically by prefix. Consult the “Common Course Numbering System” section of the Undergraduate Catalog for additional information.

**Availability of Courses:** The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at [https://my.ucf.edu](https://my.ucf.edu) for those courses offered each semester/term.

At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

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<thead>
<tr>
<th>Course Code</th>
<th>Prefix</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>ACG 2071</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105 or equivalent. The purpose of this course is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 3082</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.</td>
</tr>
<tr>
<td>ACG 3131</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Financial Accounting Concepts and Analysis: PR: Junior Standing, Accounting major or minor, and ACG 2021, ACG 2071 with a grade of &quot;C&quot; (2.0) or better. Technical knowledge about accounting measurement, and disclosure plus the study of how accounting reports are analyzed, and interpreted by external users. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 3141</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Intermediate Financial Accounting: PR: Accounting major or minor, ACG 3133 with a grade of &quot;C&quot; (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 3361</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Cost Accounting I: PR: Junior Standing, Accounting major or minor, and MAC 1105, ECO 203, ECO 2023, and ACG 2071 with a grade of &quot;C&quot;. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall.</td>
</tr>
<tr>
<td>ACG 3501</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of &quot;C&quot; or better in ACG 2071. Application of the calculation of financial and managerial accounting, and auditing for governmental, and nonprofit organizations. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 4401C</td>
<td>BA-ACCT</td>
<td>3(3,1)</td>
<td>Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2100C, with a grade of &quot;C&quot; or better. Manual and computer-based accounting information systems. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 4651</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C with a grade of &quot;C&quot; or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 4671</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Internal Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C with a grade of &quot;C&quot; or better. The standards, practices, and procedures followed in internal auditing and the use of internal auditing in organizational control. Fall, Spring.</td>
</tr>
<tr>
<td>ACG 4803</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Contemporary Issues in Accounting: PR: ACG 3141, ACG 3361, ACG 4401C, TAX 4001. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.</td>
</tr>
<tr>
<td>ADE 4382</td>
<td>ED-TLP</td>
<td>3(3,0)</td>
<td>Teaching Adult Learners in Technical Programs: PR: SPC 1608. Overview of the field of adult education, and the role of adult educators. Fall.</td>
</tr>
<tr>
<td>ADV 3008</td>
<td>COS-COMM</td>
<td>3(3,0)</td>
<td>Principles of Advertising: PR: SPC 1608. Overview of the field of advertising; purposes, techniques, the role of agencies, advertisers and the media. Fall, Spring.</td>
</tr>
<tr>
<td>ADV 4101</td>
<td>COS-COMM</td>
<td>3(3,0)</td>
<td>Advertising Copywriting: PR: ADPR majors only and ADV 3008 and PUB 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. Fall, Spring.</td>
</tr>
<tr>
<td>ADV 4103</td>
<td>COS-COMM</td>
<td>3(3,0)</td>
<td>Radio-Television Advertising: PR: RTVF or ADPR Majors 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.</td>
</tr>
<tr>
<td>ADV 4300</td>
<td>COS-COMM</td>
<td>3(3,0)</td>
<td>Advertising Media Planning: PR: ADV 3008 and ADPR major. Media planning and buying, including basic media terms, calculations, and resources. Occasional.</td>
</tr>
<tr>
<td>AFA 2300</td>
<td>CAH-AAS</td>
<td>3(3,0)</td>
<td>African American Music: Comprehensive look at cultures in the Eastern Caribbean. Fall.</td>
</tr>
<tr>
<td>AFA 3955</td>
<td>CAH-AAS</td>
<td>6(6,0)</td>
<td>Study Abroad in Eastern Caribbean: PR: LAS 4023 or C.I. Junior standing. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. Occasional.</td>
</tr>
<tr>
<td>AFA 5930</td>
<td>CAH-AAS</td>
<td>3(3,0)</td>
<td>Topics in African American Studies: PR: Graduate standing or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophic ideas on 20th century American society. Occasional.</td>
</tr>
<tr>
<td>AFA 3100</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.</td>
</tr>
<tr>
<td>AFA 3200</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>African History Since 1870: PR: C.I. Sub-Saharan African History from 1870 to the present. Occasional.</td>
</tr>
<tr>
<td>AFA 529H</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>Colloquium in African History: PR: Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Occasional.</td>
</tr>
<tr>
<td>AFA 5806</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>The Historiography of Slavery in Africa: PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.</td>
</tr>
<tr>
<td>AFR 1101C</td>
<td>ECS-AFROTC</td>
<td>1(1,2)</td>
<td>The Air Force Today I: History, mission, organization, and doctrine of the United States Air Force and a study of U.S. Strategic Offensive and Defensive Forces. Hands on training. Fall.</td>
</tr>
<tr>
<td>AFR 1111C</td>
<td>ECS-AFROTC</td>
<td>1(1,2)</td>
<td>The Air Force Today II: A brief review of the Army, Navy, and Marine forces. An introduction to special operations and counterinsurgency. Spring.</td>
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### UCF Courses and Descriptions

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<tr>
<td>AFR 2130C</td>
<td>ECS-AFROTC</td>
<td>The Development of Air Power I: A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. Fall.</td>
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<tr>
<td>AFR 2131C</td>
<td>ECS-AFROTC</td>
<td>The Development of Air Power II: A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.</td>
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<tr>
<td>AFR 3220C</td>
<td>ECS-AFROTC</td>
<td>Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communication skills, and basic leadership styles. Hands on training. Fall.</td>
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<tr>
<td>AFR 4210C</td>
<td>ECS-AFROTC</td>
<td>National Security Affairs and Prep for Active Duty II: An examination of defense implementation and its impact on the decision-making process. A study of the military justice system and its protection of individual rights. Spring.</td>
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<tr>
<td>AMH 3370</td>
<td>CAH-HIST</td>
<td>American Economic History: PR: AMH 100 and AMH 200, or C.I. An introduction to the economic development of the U.S., with emphasis on agriculture, labor, industrialization, transportation, and banking. Occasional.</td>
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<tr>
<td>AMH 3402</td>
<td>CAH-HIST</td>
<td>History of the South to 1865: PR: AMH 200 or AMH 201, or C.I. Development of the Southern colonies, beginning sectionalism, the cotton economy, and slavery, Calhoun’s constitutional theories, secession, Civil War and its aftermath. Occasional.</td>
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<tr>
<td>AMH 3403</td>
<td>CAH-HIST</td>
<td>History of the South Since 1865: PR: AMH 200 and AMH 201, or C.I. Reconstruction, or “sold South” and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.</td>
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<tr>
<td>AMH 3425</td>
<td>CAH-HIST</td>
<td>Sunbelt Florida: PR: AMH 200 and AMH 201, or C.I. History of Florida from post-war industrialization to the present. Occasional.</td>
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<tr>
<td>AMH 3441</td>
<td>CAH-HIST</td>
<td>History of the Frontier: Eastern America: PR: AMH 100, AMH 200, or C.I. The progression of the westward movement from the colonial settlements to the Mississippi, considered as an interpretive approach to American history. Occasional.</td>
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<tr>
<td>AMH 3442</td>
<td>CAH-HIST</td>
<td>History of the Frontier: Western America: PR: AMH 100 and AMH 200, or C.I. The development of the trans-Mississippi West and its impact upon American history. Occasional.</td>
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<tr>
<td>AMH 3541</td>
<td>CAH-HIST</td>
<td>U. S. Military History To 1900: PR: AMH 100 and AMH 200. U.S. military history from the colonial period to 1900 focusing on the creation of American military institutions, conduct of war, and influence on society. Occasional.</td>
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<tr>
<td>AMH 3547</td>
<td>CAH-HIST</td>
<td>U.S. Military History Since 1900: PR: AMH 100 and AMH 200, or C.I. U. S. military history since 1900 emphasizing civil-military relations, warfare, and military developments. Occasional.</td>
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<tr>
<td>AMH 3562</td>
<td>CAH-HIST</td>
<td>Women in American History II: PR: AMH 100, AMH 200, or C.I. Examines industrialization, entry of women into higher education and professions, winning of suffrage, changing profile of female wage earner, and rise of modern feminist movement. Occasional.</td>
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<tr>
<td>AMH 3586</td>
<td>CAH-HIST</td>
<td>History of the Hispanic Minorities in the U.S.: Course begins with Hispanic presence in the late Colonial period, Special emphasis on Chicano, Puerto Rican, and Cuban. Occasional.</td>
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<tr>
<td>AMH 3610</td>
<td>CAH-HIST</td>
<td>Sport in America 1945: PR: AMH 100, AMH 200, or C.I. History of sport emphasizing development of professional and collegiate sport since 1945. Occasional.</td>
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<tr>
<td>AMH 3611</td>
<td>CAH-HIST</td>
<td>Sport in America Since 1945: PR: AMH 100, AMH 200, or C.I. American sport emphasizing the development of professional and collegiate sport since 1945. Odd Spring.</td>
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<tr>
<td>AMH 3800</td>
<td>CAH-HIST</td>
<td>Canadian History: Canada since Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. Occasional.</td>
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<tr>
<td>AMH 4110</td>
<td>CAH-HIST</td>
<td>Colonial America, 1607-1763: PR: AMH 100 and AMH 200, or C.I. The voyages of discovery; the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. Occasional.</td>
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<tr>
<td>AMH 4112</td>
<td>CAH-HIST</td>
<td>The Atlantic World: PR: C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. Occasional.</td>
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<tr>
<td>AMH 4130</td>
<td>CAH-HIST</td>
<td>The Age of the American Revolution, 1763-1789: PR: AMH 100 and AMH 200, or C.I. The American Revolution - its origins, course, and impact upon American society - the Articles of Confederation, the Philadelphia Convention and its work. Occasional.</td>
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<tr>
<td>AMH 4140</td>
<td>CAH-HIST</td>
<td>Jeffersonian America: PR: AMH 100 and AMH 200, or C.I. The Confederation era, the Federalists, Jeffersonian Democracy, and the War of 1812. Occasional.</td>
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<tr>
<td>AMH 4160</td>
<td>CAH-HIST</td>
<td>Jacksonian America: PR: AMH 100 and AMH 200, or C.I. The risk of American nationalism, Jacksonian Democracy, the Mexican War, and sectional conflict. Occasional.</td>
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<tr>
<td>AMH 4170</td>
<td>CAH-HIST</td>
<td>Civil War and Reconstruction: PR: AMH 100 and AMH 200, or C.I. Reconstruction, and impact of industrialism. Occasional.</td>
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<tr>
<td>AMH 4201</td>
<td>CAH-HIST</td>
<td>The Gilded Age and Progressivism: PR: AMH 100 and AMH 200, or C.I. The Rise of Industrialized and Urbanized America, The emergence of the New South and the New West, the Populist Movement, overseas expansion, Progressivism. Occasional.</td>
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<tr>
<td>AMH 4231</td>
<td>CAH-HIST</td>
<td>United States History: 1914-1939: PR: AMH 100 and AMH 200, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. Occasional.</td>
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<tr>
<td>AMH 4270</td>
<td>CAH-HIST</td>
<td>United States History: 1939-1960: PR: AMH 100 and AMH 200, or C.I. World War II, the Cold War and America in the fifties. Occasional.</td>
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<tr>
<td>AMH 4311</td>
<td>CAH-HIST</td>
<td>American Culture I: PR: AMH 100 and AMH 200, or C.I. The European Backgrounds: Puritanism: Enlightenment, the Great Awakening; Revolutionary Thought: Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. Occasional.</td>
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<tr>
<td>AMH 4313</td>
<td>CAH-HIST</td>
<td>American Culture II: PR: AMH 100 and AMH 200, or C.I. The European Backgrounds: Puritanism, Enlightenment, the Great Awakening; Revolutionary Thought: Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. Occasional.</td>
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<tr>
<td>AMH 4375</td>
<td>CAH-HIST</td>
<td>Technology and US Culture: PR: AMH 100 or AMH 200. Examines the history of technology in the United States, its impact on society, and society’s impact on technological development. Even Spring.</td>
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</tbody>
</table>
AMH 4376 CAH-HIST 3(3,0)
U.S. Space History: PR: AMH 2010 and AMH 2020, or C.I. Post World War II U.S. rocketry and space travel with focus on the role of Cape Canaveral/Kennedy Space Center. Occasional.

AMH 4510 CAH-HIST 3(3,0)

AMH 4512 CAH-HIST 3(3,0)

AMH 4513 CAH-HIST 3(3,0)

AMH 4573 CAH-HIST 3(3,0)
Black Militancy in the 20th Century: PR: AMH 2010 and AMH 2020 or C.I. The rise and development of black militant organizations and how these groups have been influenced by hostile foreign entities. Occasional.

AMH 4644 CAH-HIST 3(3,0)

AMH 4650 CAH-HIST 3(3,0)

AMH 4680 CAH-HIST 3(3,0)
Women in American Science: PR: AMH 2010 or AMH 2020. Examines how American society uses Western ideas about sex and gender to define women's roles in science and their influence on their fields. Even Fall.

AMH 5116 CAH-HIST 3(3,0)
Colloquium in U.S. Colonial History: PR: Graduate standing or senior standing or C.I. Reading and discussion of the literature on selected topics in colonial American history. Occasional.

AMH 5137 CAH-HIST 3(3,0)
Colloquium in U.S. Revolutionary Period: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. Occasional.

AMH 5149 CAH-HIST 3(3,0)
Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. Occasional.

AMH 5169 CAH-HIST 3(3,0)
Colloquium in Age of Jackson: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.

AMH 5176 CAH-HIST 3(3,0)
Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion of the literature on selected topics of the Civil War and Reconstruction era. Occasional.

AMH 5219 CAH-HIST 3(3,0)
Colloquium in Late 19th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th century U.S. Occasional.

AMH 5296 CAH-HIST 3(3,0)
Colloquium in 20th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5378 CAH-HIST 3(3,0)
History of Technology: PR: Graduate standing or C.I. Introduces the historiography of technology’s role in historical events, and society’s role in shaping technology. Occasional.

AMH 5391 CAH-HIST 3(3,0)
Colloquium in U.S. Cultural History: PR: Graduate standing or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. Occasional.

AMH 5406 CAH-HIST 3(3,0)
Colloquium in American South: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present. Occasional.

AMH 5446 CAH-HIST 3(3,0)
Colloquium in U.S. Frontier: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. Occasional.

AMH 5515 CAH-HIST 3(3,0)
Colloquium in U.S. Diplomatic History: PR: Graduate standing or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. Occasional.

AMH 5566 CAH-HIST 3(3,0)
Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of Women in American History from colonial time to the present. Occasional.

AMH 5937 CAH-HIST 3(3,0)
AP American History: PR: Graduate standing or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. Occasional.

AML 3682 CAH-ENG 3(3,0)
Ethnic Literature in America: PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Occasional.

AML 3682H CAH-ENG 3(3,0)
Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102 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 4153 CAH-ENG 3(3,0)
American Poetry at Mid-Century: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. Study of major figures from the “Middle Generation”: Berryman, Bishop, Jarrell, Lowell, Plath, Rich, Roethke, and others. Occasional.

AML 4155 CAH-ENG 3(3,0)
Modern American Poetry: PR: Grade of C (2.0) or better required in ENC 3014. Major American poets of the modern (1900-1950) period. Occasional.

AML 4261 CAH-ENG 3(3,0)
Literature of the South: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014 or C.I. Development of Southern literature from its beginnings in the “Old South” through the post-Civil War and the Southern-Renaissance to the present. Emphasizes reading from Poe, Ransom, Tate, Faulkner, Porter, Warren, O'Connor, Percy, and Styron. Occasional.

AML 4265 CAH-ENG 3(3,0)
Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENC 3014. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens. Occasional.

AML 4300 CAH-ENG 3(3,0)
Major American Authors: PR: Grade of C (2.0) or better required in ENC 3014. A comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different. Fall, Spring.

AML 4304 CAH-ENG 3(3,0)
Whitman and His Heirs: PR: Grade of C (2.0) or better required in ENC 3014. The work of American poet, Walt Whitman (1819-1892), and his influence on modern American poetry. Occasional.

AML 4321 CAH-ENG 3(3,0)
Modern American Literature: PR: Grade of C (2.0) or better required in ENC 3014. Major writers of modern American literature. Occasional.
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| ANG 5167    | COS-ANTHRO 3(3,0)  
Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease.  
Odd Fall. | 3(3,0) | PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced Medical Anthropology. |
| ANG 5620    | COS-ANTHRO 3(3,0)  
Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cross cultural issues that affect cultural competency.  
Spring. | 3(3,0) | PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language and Culture. |
| ANG 5622    | COS-ANTHRO 3(3,0)  
Language, Culture and Pedagogy: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations.  
Occasional. | 3(3,0) | PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language, Culture and Pedagogy. |
| ANG 5738    | COS-ANTHRO 3(3,0)  
Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease.  
Odd Fall. | 3(3,0) | PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced Medical Anthropology. |
| ANG 5741    | COS-ANTHRO 3(3,0)  
Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern.  
Occasional. | 3(3,0) | PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Mortuary Archaeology. |
| ANG 5742    | COS-ANTHRO 3(3,0)  
Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology.  
Occasional. | 3(3,0) | PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Problems in Forensic Anthropology. |
| ANT 2000    | COS-ANTHRO 3(3,0)  
General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology.  
Fall, Spring. | 3(3,0) | PR: ANT 2000 or SYG 2000 or ANT 2100 or C.I. General Anthropology. |
| ANT 2000H   | COS-ANTHRO 3(3,0)  
GeneralAnthropology Honors: PR: Permission of Honors. Extensive honors work in the field of anthropology. Expectations, requirements, and standards are greater than for standard General Anthropology.  
Odd Fall. | 3(3,0) | PR: Permission of Honors. GeneralAnthropology Honors. |
| ANT 2100    | COS-ANTHRO 3(3,0)  
Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states.  
Fall, Spring. | 3(3,0) | PR: ANT 2000 or SYG 2000 or ANT 2100 or C.I. Archaeology and the Rise of Human Culture. |
| ANT 2410    | COS-ANTHRO 3(3,0)  
Cultural Anthropology: An introduction to human diversity as exemplified among various cultures and ethnic groups.  
Fall, Spring. | 3(3,0) | PR: ANT 2000 or SYG 2000 or ANT 2100 or C.I. Cultural Anthropology. |
| ANT 2511    | COS-ANTHRO 3(3,0)  
The Human Species: Human biological variation in an evolutionary perspective.  
Fall, Spring. | 3(3,0) | PR: ANT 2000 or SYG 2000 or ANT 2100 or C.I. The Human Species. |
| ANT 2511H   | COS-ANTHRO 3(3,0)  
Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective.  
Odd Fall. | 3(3,0) | PR: Permission of Honors. Honors The Human Species. |
| ANT 3106    | COS-ANTHRO 3(3,0)  
Archaeology and Popular Culture: PR:ANT 2000 or C.I. How the ancient past is perceived in popular culture and are manipulated and used by modern societies.  
Occasional. | 3(3,0) | PR: ANT 2000 or C.I. Archaeology and Popular Culture. |
| ANT 3115    | COS-ANTHRO 3(3,0)  
Archaeological Method and Theory: A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports.  
Even Fall. | 3(3,0) | PR: ANT 2000 or C.I. Archaeological Method and Theory. |
| ANT 3142    | COS-ANTHRO 3(3,0)  
Old World Prehistory: A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history.  
Occasional. | 3(3,0) | PR: ANT 2000 or C.I. Old World Prehistory. |
| ANT 3145    | COS-ANTHRO 3(3,0)  
Archaeology of Complex Societies: Theoretical perspectives on ancient hierarchies of power.  
Fall. | 3(3,0) | PR: ANT 2000 or C.I. Archaeology of Complex Societies. |
| ANT 3158    | COS-ANTHRO 3(3,0)  
Florida Archaeology: PR: ANT 2000 or C.I. Methods and techniques of research and analysis of human culture and behavior in the prehistoric Americas.  
Odd Fall. | 3(3,0) | PR: ANT 2000 or C.I. Florida Archaeology. |
| ANT 3160    | COS-ANTHRO 3(3,0)  
Pre-Contact Americas: PR: ANT 2000 or C.I. Prehistoric developments of North, Central, and South America from the origins of human culture.  
Occasional. | 3(3,0) | PR: ANT 2000 or C.I. Pre-Contact Americas. |
| ANT 3161    | COS-ANTHRO 3(3,0)  
Archaeology of Mexico: PR: ANT 2000 or C.I. Archaeological developments of North, Central, and South America from the origins of human culture.  
Occasional. | 3(3,0) | PR: ANT 2000 or C.I. Archaeology of Mexico. |
| ANT 3163    | COS-ANTHRO 3(3,0)  
Mesoamerican Archaeology: An introduction to the prehistory of the Americas.  
Odd Fall. | 3(3,0) | PR: ANT 2000 or C.I. Mesoamerican Archaeology. |
| ANT 3164    | COS-ANTHRO 3(3,0)  
Archaeology of Complex Societies: Theoretical perspectives on ancient hierarchies of power.  
Odd Fall. | 3(3,0) | PR: ANT 2000 or C.I. Archaeology of Complex Societies. |
| ANT 3165    | COS-ANTHRO 3(3,0)  
Archaeology of South America: PR:ANT 2000 or C.I. Prehistoric developments of South America from the origins of human culture.  
Occasional. | 3(3,0) | PR: ANT 2000 or C.I. Archaeology of South America. |
| ANT 3168    | COS-ANTHRO 3(3,0)  
Maya Archaeology: An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field.  
Odd Fall. | 3(3,0) | PR: ANT 2000 or C.I. Maya Archaeology. |
| ANT 3173    | COS-ANTHRO 3(3,0)  
Archaeology of Sex: PR: ANT 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse through human history from an archaeological perspective.  
Even Fall. | 3(3,0) | PR: ANT 2000 or C.I. Archaeology of Sex. |
| ANT 3177    | COS-ANTHRO 3(3,0)  
Odd Fall. | 3(3,0) | PR: ANT 2000 or C.I. Archaeology of Caribbean Piracy. |
| ANT 3212    | COS-ANTHRO 3(3,0)  
Fall, Spring. | 3(3,0) | PR: ANT 2000 or C.I. Peoples of the World. |
| ANT 3241    | COS-ANTHRO 3(3,0)  
Magic, Ritual, and Belief: Patterns in religious behavior in various societies, with primary emphasis on myth, ritual, taboo, and social organization.  
Fall, Spring. | 3(3,0) | PR: ANT 2000 or C.I. Magic, Ritual, and Belief. |
| ANT 3245    | COS-ANTHRO 3(3,0)  
Native American Religions: PR: ANT 2000 or C.I. Native American Religions.  
Odd Fall. | 3(3,0) | PR: ANT 2000 or C.I. Native American Religions. |
| ANT 3262    | COS-ANTHRO 3(3,0)  
Occasional. | 3(3,0) | PR: ANT 2000 or C.I. Rural Society. |
ANT 3273 COS-ANTHRO 3(3,0)
Law and Culture: An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.

ANT 3302 COS-ANTHRO 3(3,0)
Sex, Gender and Culture: The traditional and changing roles of women and men viewed in a cross-cultural perspective. Fall, Spring.

ANT 3311 COS-ANTHRO 3(3,0)

ANT 3312 COS-ANTHRO 3(3,0)
Ethnology of North American Indians: A survey of the aboriginal cultures of North America, with emphasis on the pre-contact cultural condition. Even Spring.

ANT 3313 COS-ANTHRO 3(3,0)

ANT 3314 COS-ANTHRO 3(3,0)
Indians of the Northeast Woodlands: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the North American Northeast. Occasional.

ANT 3316 COS-ANTHRO 3(3,0)

ANT 3318 COS-ANTHRO 3(3,0)
Indians of the Northwest Coast: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northwest Coast of North America. Occasional.

ANT 3319 COS-ANTHRO 3(3,0)
Anthropology of Diaspora: PR: ANT 2000 or ANT 2410 or CI. Comparative study of sociocultural constructions of race and the processes of acculturation and resistance in African Diasporas of the New and Old Worlds. Occasional.

ANT 3320 COS-ANTHRO 3(3,0)

ANT 3330 COS-ANTHRO 3(3,0)
Cultural Ecology of Amazonia: PR: Any 2000 level social science course or CI. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. Occasional.

ANT 3344 COS-ANTHRO 3(3,0)

ANT 3358 COS-ANTHRO 3(3,0)
Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to examine the lives and death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Occasional.

ANT 3362 COS-ANTHRO 3(3,0)

ANT 3363 COS-ANTHRO 3(3,0)
Anthropology of Japan: An examination of Japanese culture and its contemporary behavioral and organizational patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization. Occasional.

ANT 3393 COS-ANTHRO 3(3,0)
American Indian Literature and Culture in Florida: PR: ENC 1102. Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through oral tales and legends, treaties, archival sources. Occasional.

ANT 3450 COS-ANTHRO 3(3,0)
Living in the USA: Anthropological Perspectives: PR: ANT 2000 or SYG 2000 or PSY 2012 or CI. Ethnographic study of diverse experiences of life in the United States. Special focus on class, race, gender, citizenship, generation, and religion. Occasional.

ANT 3541 COS-ANTHRO 3(3,0)
Biobehavioral Anthropology: An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. Spring.

ANT 3550 COS-ANTHRO 3(3,0)
Primateology: PR: ANT 2511 or CI. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. Occasional.

ANT 3640 COS-ANTHRO 3(3,0)
Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and perception. Spring.

ANT 3701 COS-ANTHRO 3(3,0)
Applied Anthropology: PR: ANT 2000 or CI. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. Occasional.

ANT 3949 COS-ANTHRO 0(0,8)
Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. Graded SU. May be repeated, Occasional.

ANT 4013 COS-ANTHRO 3(3,0)

ANT 4034 COS-ANTHRO 3(3,0)

ANT 4101 COS-ANTHRO 3(3,0)
Archaeological Sciences: PR: ANT 2511, or CI. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

ANT 4144 COS-ANTHRO 3(3,0)
Prehistory of North America: PR: Any lower level course in the social sciences. The rise of North American Native culture from the earliest evidence of human occupation in the New World; e.g., the Folsom, Clovis, Sandia, etc., to the time of contact with European cultures. Occasional.

ANT 4153 COS-ANTHRO 3(3,0)
North American Archaeology: PR: any lower level social science course. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Occasional.

ANT 4180C COS-ANTHRO 3(1,4)
Seminar in Laboratory Analysis: The processing of archaeological finds from excavation through publication. May be repeated for credit. Spring.

ANT 4184 COS-ANTHRO 3(3,0)
Mortuary Archaeology: PR: ANT 2000, or ANT 2100, or ANT 2511 or C.I. Archaeological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Occasional.

ANT 4266 COS-ANTHRO 3(3,0)

ANT 4308 COS-ANTHRO 3(3,0)
Gender Issues in Latin America: PR: Completion of a lower-level social science course or its equivalent. Issues of gender in Latin America and the Caribbean, with both theoretical and practical, with special attention to women’s lives. Occasional.

ANT 4332 COS-ANTHRO 3(3,0)
People and Cultures of Latin America: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall, Spring.

ANT 4340 COS-ANTHRO 3(3,0)

ANT 4352 COS-ANTHRO 3(3,0)
African Societies and Cultures: PR: ANT 2000 or SYG 2000 or C.I. Anthropological survey of Africa examining the social, cultural, and economic diversity of the continent over time. Occasional.

ANT 4354 COS-ANTHRO 3(3,0)

ANT 4408 COS-ANTHRO 3(3,0)
Culture, Disease, and Healing: PR: Any 2000 level Anthropology course. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. Odd Spring.

ANT 4438 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANT 4462 COS-ANTHRO 3(3,0)
Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. Occasional.

ANT 4467 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: One 2000 level course in social sciences and one 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.

ANT 4516 COS-ANTHRO 3(3,0)
Human Biological Diversity: PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. Occasional.

ANT 4521C COS-ANTHRO 3(3,0)
Forensic Anthropology: PR: ANT 2511 or CI. The study of human skeletal remains in relation to a legal context. Occasional.
ANT 4525C COS-ANTHRO 4(3,1)
Human Osteology: PR: ANT 251L. The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.

ANT 4528C COS-ANTHRO 5(3,3)
Advanced Forensic Anthropology: PR: ANT 4521C. Advanced laboratory methods in forensic anthropology, including skeletal analysis and the application of archaeological techniques to the recovery of human remains. Spring.

ANT 4560 COS-ANTHRO 3(3,0)

ANT 4586 COS-ANTHRO 3(3,0)
Human Origins: PR: ANT 251L. The fossil evidence for human evolution from Miocene hominoids through the australopithecines and the earliest members of the genus Homo. Spring.

ANT 4702 COS-ANTHRO 3(3,0)
Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Occasional.

ANT 4802 COS-ANTHRO 3(3,0)

ANT 4824 COS-ANTHRO 9(9,0)
Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.

APA 3471 BA-ACCT 3(3,0)

ARA 1120C CAH-LANG 4(3,1)
Elementary Arabic Language and Civilization I: PR: Admission to Arabic language skills. Open only to students with no experience in the language. Fall.

ARA 1120H CAH-LANG 4(4,1)
Honors Elementary Arabic Language and Civilization I: PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. Occasional.

ARA 1121C CAH-LANG 4(3,1)
Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

ARA 1121H CAH-LANG 4(4,1)

ARA 2200 CAH-LANG 3(3,1)
Intermediate Arabic Language and Civilization I: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.

ARA 2201 CAH-LANG 3(3,0)
Intermediate Arabic II: PR: ARA 2200 (Intermediate Arabic I) or equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. Fall, Spring.

ARE 2011 ED-CFCS 3(3,0)
Early Childhood Art and Creativity: An examination of developmental patterns in children’s artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee: $5.00

ARE 3944 CAH-ART 3(2,3)
Community Arts Practicum: PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.

ARE 4250 ED-TLP 3(3,0)
Art for Exceptionalities: PR: EDG 4233 and at least junior standing or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. Occasional.

ARE 4262 CAH-ART 3(3,0)
Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

ARE 4313 ED-TLP 1(1,0)
Art in the Elementary School: PR: EDF 2005; CR: MUE 3210. HLP 4722, RED 4510, MIE 4326, and EDE 3842. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences. Fall, Spring. M&S fee: $5.00

ARE 4351 ED-TLP 3(2,1)
Teaching Art in the Elementary School: PR: EDF 4214 and EDG 4233. Transition from university art studio practice to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee: $5.00

ARE 4352 ED-TLP 3(2,1)
Teaching Art in the Secondary School: PR: EDF 4214, and EDG 4233. Transition from university art studio practice to high school teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&S fee: $5.00

ARE 4356 ED-TLP 3(3,1)
Teaching Art Appreciation & Criticism in the Classroom: PR: Permission of Honors. A seminar for upper-level art students to examine art education for specific educational settings. Fall. M&S fee: $5.00

ARE 4453 ED-TLP 3(3,0)
Studio Experiences in Art Education: PR: Completion of all Art Education Program prerequisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee: $5.00

ARA 4945 CAH-ART 12(0,12)
Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

ARA 5251 ED-TLP 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.

ARA 5255 ED-TLP 3(2,1)
Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.

ARE 5359 ED-TLP 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: $5.00

ARE 5454 ED-TLP 3(3,0)
Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee: $5.00

ARE 5649 ED-TLP 3(3,0)

ARH 2050 CAH-ART 3(3,0)
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.

ARH 2050H CAH-ART 3(3,0)
Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-ART 3(3,0)
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 2051H CAH-ART 3(3,0)
Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-ART 3(3,0)
History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3454 CAH-ART 3(3,0)
 Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of "Total Art" in its attempt to break down customary distinctions between life and art. Occasional.

ARH 3471 CAH-ART 3(3,0)
Art in the Last 25 Years: PR: ARH 2500 and ARH 2501 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-ART 3(3,0)
African Art: PR: Junior status, ARH 2500, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3570 CAH-ART 3(3,0)
Ceramics of the Muslim World: PR: ARH 2505 or C.I. Islamic Art and the stylistic and technical characteristics of the period, in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. Occasional.

ARH 3610 CAH-ART 3(3,0)
American Art: PR: ARH 2500 and ARH 2501 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-ART 3(3,0)
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3670</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.</td>
</tr>
<tr>
<td>ARH 3673</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980’s. Occasional.</td>
</tr>
<tr>
<td>ARH 3664</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Latin American Popular Visual Culture: PR: ANT 4332 or C.I. Latin American popular culture beyond “fine art,” produced in Latin America, the United States, and the Caribbean. Odd Spring.</td>
</tr>
<tr>
<td>ARH 3683</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ARH 3700</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest invention to 1900. The content of this course is designed for art majors. Occasional.</td>
</tr>
<tr>
<td>ARH 3710</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>History of Photography II: PR: Junior Standing or C.I. History of still photography from the early 20th century to the present. The content of this course is designed for art majors. Occasional.</td>
</tr>
<tr>
<td>ARH 3720</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ARH 3820</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Visual Arts Administration Vitas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. Occasional.</td>
</tr>
<tr>
<td>ARH 4130</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ARH 4150</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.</td>
</tr>
<tr>
<td>ARH 4200</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.</td>
</tr>
<tr>
<td>ARH 4310</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian art and architecture from 1300 to 1650. Occasional.</td>
</tr>
<tr>
<td>ARH 4350</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.</td>
</tr>
<tr>
<td>ARH 4352</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.</td>
</tr>
<tr>
<td>ARH 4430</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ARH 4454</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. Occasional.</td>
</tr>
<tr>
<td>ARH 4655</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Meso American Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Columbian through the Spanish Colonial, to the 20th century. Occasional.</td>
</tr>
<tr>
<td>ARH 4800</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ARH 4892</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ARH 5897</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics with Honors content. 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 this knowledge of these data is used by the profession to share information with the community. Fall, Spring.</td>
</tr>
<tr>
<td>ARH 2701C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
<td>Sculpture: PR: Three semester hours in three-dimensional work, ART 2201C, ART 2203C, ART 2300C, ART 2301C. Odd Fall. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>ARH 2754C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
<td>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&amp;S fee: $35.00</td>
</tr>
<tr>
<td>ARH 2820</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Art as Interface: An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared among the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.</td>
</tr>
<tr>
<td>ARH 2820H</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>Honors Art as Interface: PR: Consent of Honors. An overview of Art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared among the disciplines and their use by the profession. With Honors content. Occasional.</td>
</tr>
<tr>
<td>ART 3170</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ART 3170C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
<td>Bookbinding: Basic book binding techniques, methods, structures, and production of books. Occasional. M&amp;S fee: $44.00</td>
</tr>
<tr>
<td>ART 3171C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
<td>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&amp;S fee: $52.00</td>
</tr>
</tbody>
</table>
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits (接触)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3175C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 3176C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 3332C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 3433C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 3504C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 3616C</td>
<td>CAH-ART</td>
<td>3(0)</td>
</tr>
<tr>
<td>ART 3618C</td>
<td>CAH-ART</td>
<td>3(0)</td>
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<tr>
<td>ART 3643C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 3950C</td>
<td>CAH-ART</td>
<td>0(0,0)</td>
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<tr>
<td>ART 4132C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<td>ART 4172C</td>
<td>CAH-ART</td>
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<tr>
<td>ART 4174C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<td>ART 4177C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<td>ART 4226C</td>
<td>CAH-ART</td>
<td>3(3,3)</td>
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<td>ART 4320C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<td>ART 4402C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 4505C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 4634C</td>
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<td>3(3,1)</td>
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<td>ART 4710C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<td>ART 4765C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 4768C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 4935</td>
<td>CAH-ART</td>
<td>3(3,1)</td>
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<tr>
<td>ART 4945L</td>
<td>CAH-ART</td>
<td>6(0,6)</td>
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<td>ART 4954</td>
<td>CAH-ART</td>
<td>3(0)</td>
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<tr>
<td>ART 4971</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<td>ART 5109C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>ART 5280C</td>
<td>CAH-ART</td>
<td>3(3,3)</td>
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<td>ART 5284</td>
<td>CAH-ART</td>
<td>3(3,0)</td>
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<tr>
<td>ART 5670C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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</tbody>
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**ART 3175C**
- **Course Title:** Advanced Issues in Contemporary Book Arts
- **Description:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 3170C. Explores the creation of visual art objects with honors content. Occasional. M&S fee: $44.00

**ART 3176C**
- **Course Title:** The Illustrated Book
- **Description:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 3170C. The creation of visual art objects with honors content. Occasional. M&S fee: $45.00

**ART 3332C**
- **Course Title:** Intermediate Drawing
- **Description:** 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**
- **Course Title:** Screenprinting
- **Description:** PR: ART 2201C, ART 2203C, ART 2400C. Techniques of waterbase screenprinting, including digital photos and practical applications of screenprinting as a means for image making. Occasional.

**ART 3504C**
- **Course Title:** Intermediate Painting
- **Description:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2400C. Reference 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**
- **Course Title:** Animation Production Methods
- **Description:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Occasional. M&S fee: $15.00

**ART 3618C**
- **Course Title:** Post-Production Design
- **Description:** PR: Accepted into Animation program. Special effects and composing for computer animation and film, focusing on the use of After Effects, Premier and Photoshop software. Occasional.

**ART 3643C**
- **Course Title:** Digital Effects & Compositing
- **Description:** PR: Animation major and FIL 3720C. Special effects and composing for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. Fall, Spring. M&S fee: $45.00

**ART 3709C**
- **Course Title:** Intermediate Sculpture
- **Description:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 2400C. Examines the concepts of three-dimensional forms. Fall, Spring.

**ART 3737C**
- **Course Title:** Narrative Sculpture
- **Description:** 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 3760C**
- **Course Title:** Intermediate Ceramics
- **Description:** PR: ART 2201C, ART 2203C, ART 2300C and ART 2301C. Continuation of ceramic processes. Fall, Spring. M&S fee: $35.00

**ART 3764C**
- **Course Title:** Ceramic Handbuilding
- **Description:** PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee: $35.00

**ART 3833C**
- **Course Title:** Fiber Art
- **Description:** 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 5694 CAH-ART 3(3,0) Crosscultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the "arts electronic" into the present. Spring.

ART 5695 CAH-ART 3(3,0) WebArt II: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&S fee: $45.00.

ART 5696 CAH-ART 3(3,0) Art, Design and Human Interactions: PR: Admission to MFA. Exploration and design of interface interactions systems and technologies in contemporary society and culture including place making, way finding, progress, electronic interface design, and publication design. Spring.

ART 5698 CAH-ART 3(3,0) Concourse I: PR: ART 5900 and ART 5200C and ART 5694, or C.I. Digital reproduction of studio works. Fall. M&S fee: $45.00.

ART 5745 CAH-ART 3(3,0) Physical and Virtual Sculpture: PR: Acceptance to MFA in Studio Art and the Computer or C.I. A course exploring historical (tactile) and contemporary (virtual) approaches to the creation of 3D sculptural objects. Occasional.

ART 5811C CAH-ART 3(3,1) The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisites), graduate status or senior standing, or C.I. Seminar class on professional information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&S fee: $45.00.

ART 5910 CAH-ART 3(3,0) Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty. Professor will meet with the class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 5 times. Fall, Spring. M&S fee: $45.00.


ART 5941 CAH-ART 1(1,0) Graduate Practicum I: PR: WebArt I, graduate status, or C.I. C. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.

ASH 3222 CAH-HIST 3(3,0) Islam and Its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. Occasional.

ASH 3223 CAH-HIST 3(3,0) The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 18th century to the present. Occasional.


ASH 4404 CAH-HIST 3(3,0) China in 18th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. The Mongols in China; coming of the Europeans; social structure; Communist movement; Japanese aggression. Occasional.

ASH 4442 CAH-HIST 3(3,0) Modern Japan, 19th and 20th Centuries: PR: Modern Japan 1900 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War I; Japanese militarism; World War II; and U.S. occupation. Occasional.

ASH 5227 CAH-HIST 3(3,0) The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. Occasional.

ASH 5408 CAH-HIST 3(3,0) Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

ASH 5458 CAH-HIST 3(3,0) U.S. China Relations: PR: Graduate standing or C.I. Analysis of Chinese policies toward the United States since the 18th century. Even Fall.

ASH 5574 CAH-HIST 3(3,0) Concepts of Modern China: PR: Graduate status or C.I. The impact of Chinese culture and ideas on the contemporary world. Odd Fall.

AST 2140 HPA-COM SC&DIS 4(4,0) Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. Fall, Spring.

AST 2150 HPA-COM SC&DIS 4(4,0) Intermediate American Sign Language: PR: ASL 2140. Expansion of ASL vocabulary with increased development of knowledge concerning Deaf culture. Fall, Spring.

AST 2510 HPA-COM SC&DIS 3(3,0) Issues of Deafness: PR: C.I. The impact of deafness on individual, family and social problems in the deaf community and culture, including historical and changing attitudes toward persons and disabilities. Occasional.

AST 3444 HPA-COM SC&DIS 3(3,0) Introduction to Signed English and Culture of the Deaf: Vocabulary and grammar through introductory level. Conceptual basis of ASL discussed. Occasional.


AST 4301 HPA-COM SC&DIS 3(3,0) Structure of American Sign Language: PR: ASL 2140 and ASL 2150. Study of phonology, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. Occasional.

AST 4435 HPA-COM SC&DIS 3(3,0) Fingerspelling: PR: ASL 2140 and ASL 2150 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels. Occasional.

ASH 4700 HPA-COM SC&DIS 3(3,0) Literature of Signed Languages: PR: ASL 2510. Overview of literature produced by Deaf communities across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. Occasional.

AST 2002 COS-PHYS 3(3,0) Astronomy: PR: High school algebra or MAC 1105. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.


AST 2037 COS-PHYS 3(3,0) Life in the Universe: A thought provoking journey through solar system environments and extraterrestrial planets to establish the probability of life on other planets in our solar system and beyond. Occasional.

AST 2720L COS-PHYS 1(0,2) Astronomy Techniques: PR: AST 2002. Introduction to basic astronomical equipment, observing/record techniques, safety issues, and security practices desired during Public Viewing Nights at the Robinson Observatory. Fall, Spring.

AST 3110 COS-PHYS 3(3,0) Solar System Astronomy: PR: AST 2002, PHY 2053C. Interdisciplinary approach to the dynamics of the Solar System through application of Physics, Atmospheric Science, Chemistry and Geology. Even Fall.

AST 3211 COS-PHYS 3(3,0) Stellar Astrophysics: PR: COS-PHYS 2053C. The physics and dynamics of stars, including star formation and stellar evolution. Occasional.

AST 3402 COS-PHYS 3(3,0) Galaxies and Cosmology: PR: AST 2002, PHY 2053C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.


AST 4142 COS-PHYS 3(3,0) Asteroids, Comets, and Meteors: PR: AST 2002 or AST 3211. Asteroids, comets, and meteors and their role in the origin and evolution of our solar system. Occasional.


AST 4501 COS-PHYS 3(3,0) Celestial Mechanics: PR: PHY 2048, AST 2002. The orbital motions of celestial bodies, including orbit calculation, perturbation theory, and Hohmann transfer orbits. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>CR</th>
<th>Offered</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 4700</td>
<td>COS-PHYS Experimental Methods in Astronomy: PR: AST 2002, PHY 2404, and Senior standing, or C.I. Experimental design and experimental techniques in astronomy and astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; astronomical quantification and interpretation of light. Even Spring.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
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<tr>
<td>AST 4762</td>
<td>COS-PHYS Astronomical Data Analysis: PR: MAC 2313, and an upper level course in astronomy or planetary science, or C.I. Astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Odd Fall.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
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<tr>
<td>AST 5154</td>
<td>COS-PHYS Advanced Planetary Geophysics: PR: Admission to Physics M.S. or PhD or C.I. The physics of planetary evolution, planetary interiors, and planet surface processes. Even Fall.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
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<tr>
<td>AST 5165</td>
<td>COS-PHYS Planetary Atmospheres: PR: Mechanics PHY 3220 and Modern Physics 3301, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
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<tr>
<td>AST 5263</td>
<td>COS-PHYS Advanced Observational Astronomy: PR: Graduate standing in the Physics department of C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
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<tr>
<td>AST 5334</td>
<td>COS-PHYS Extraterrestrial and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Odd Spring.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
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<tr>
<td>AST 5765</td>
<td>COS-PHYS Advanced Astronomical Data Analysis: PR: MAC 2313, a 300-level or higher course in astronomy or planetary science, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Occasional.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
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<tr>
<td>BCH 4053</td>
<td>COS-CHEM Biochemistry I: PR: CHM 2211. A consideration of proteins, carbohydrates, nucleic acids, enzymes, and their effect on biochemical systems, and inter-relationship of intermediary metabolism. Fall, Spring.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
<td>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&amp;S fee: $24.00</td>
</tr>
<tr>
<td>BCH 4053H</td>
<td>COS-CHEM Honors Biochemistry I: PR: CHM 2211 and consent of Honors. Proteins, carbohydrates, nucleic acids, enzymes, and their effect on biochemical systems, and inter-relationship of intermediary metabolism. With Honors content. Occasional.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
<td>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&amp;S fee: $24.00</td>
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<tr>
<td>BCH 4054</td>
<td>COS-CHEM Biochemistry II: PR: BCH 4053. Continuation of BCH 4053. Spring.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
<td>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&amp;S fee: $24.00</td>
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<tr>
<td>BCH 4103L</td>
<td>COS-CHEM 2(0,6) Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. Spring. M&amp;S fee: $45.00</td>
<td>3(0)</td>
<td>Fall, Spring</td>
<td>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&amp;S fee: $24.00</td>
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<tr>
<td>BME 5572</td>
<td>ECS-ECE Biomedical Nanotechnology: PR: EEC 3350 or C.I. Human Physiology, Bioelectric Phenomena and Neurons, Nanoelectronics for fabrication of biosips for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Occasional.</td>
<td>3(0)</td>
<td>Fall, Spring</td>
<td>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&amp;S fee: $24.00</td>
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</tbody>
</table>
BSC 3403C COM&M&M 4(3,4) 
Quantitative Biological Methods: PR: BSC 2010C, MCB 3022C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee: $25.00

BSC 3404H COM&M&M 4(3,4) 
Quantitative Biological Methods-Honors: PR: Consent of Honors, BSC 2010C, MCB 3022C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3424 COM&M&M 3(3,0) 
Nanobiotechnology: PR: MCB 1210, and either CHM 2046 or PHY 2054C. Biological processes in nano scale interactions with elements of physics & engineering. Occasional.

BSC 3949 COS-BIOL 0(0,8) 

BSC 40101 COS-BIOL 3(3,0) 

BSC 4312C COS-BIOL 4(3,3) 
Marine Biology: PR: PCB 3044 and STA 2023. The biological, ecological, physical and chemical aspects of the world's oceans. Even Spring. M&S fee: $45.00

BSC 4422L COS-BIOL 1-4(0,3-12) 
Biology Laboratory Techniques: PR: PCB 3044, CHM 2210, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical Biology laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4454 COS-BIOL 2(0,2) 
Research in Animal Physiology: PR: PCB 4723. Development of research skills in animal physiology through hands-on experimental design, data collection, use of data analysis software, and communication of results. Occasional.

BSC 4861L COS-BIOL 3(0,3) 
SL Sustainability:Socially & Economically Viable Environmental Protection: PR: BSC 2010C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. Occasional.

BSC 4937 COS-BIOL 2(0,2) 
Instructional Experiences in Undergraduate Biology: PR: PCB 3063, Biology major with 80 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological skills by facilitating learning in variety of university biology labs. May be repeated for credit. Graded S/U. Fall, Spring.

BSC 5258L COS-BIOL 3(3,0) 
Tropical Biology Research and Conservation: PR: Graduate standing or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(3,0) 
Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(3,0) 
Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) and their impacts on native species and ecosystems. Even Spring.

BSC 5408L BIOS-KBS 3(0,9) 
Advanced Biology Laboratory Techniques: PR: BS degree. C.I. This course will emphasize these biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques. Literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional. M&S fee: $15.00

BSC 5418 COM&M&M 3(3,0) 
Tissue Engineering: PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. Occasional.

BSC 5817 COS-BIOL 3(3,0) 
Biology for AP Teachers: PR: Graduate status or senior standing or C.I. Participants will perform and evaluate the 12 required labs, analyze the design and grading of the exam, and develop a representative program. Occasional.

BSC 5821 COS-BIOL 4(4,0) 
Biogeography: PR: Graduate standing or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. Occasional. M&S fee: $15.00

BTE 4410 ED-TLP 3(3,0) 
Course Construction in Business Education: PR: ETV 3385 or C.I. An overview and examination of business curriculum and methodology integrated into the vocational frameworks. Planning and preparation of materials, managing the laboratory and involvement in vocational student organizations. Occasional.

BUL 3130 BA-ACCT 4(4,0) 
Legal and Ethical Environment of Business: PR: Junior standing and business major or minor. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 4(4,0) 
Legal & Ethical Environment of Business - Honors: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.

BUL 4540 MAN 3(3,0) 

BUL 5332 BA-ACCT 3(3,0) 
Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation, BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(3,0) 
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4053 ECS-CS 3(3,0) 
AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4104 ECS-CS 3(3,0) 
Human and Technology Interaction: PR: COP 3330 and COP 3502C. Perceptual, cognitive, affective, social, organizational, commercial, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. Fall.

CAP 4453 ECS-CS 3(3,0) 
Robot Vision: PR: COP 3503C and MAC 2312, or C.I. Perspective and orthographic projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Fall, Spring.

CAP 4630 ECS-CS 3(3,0) 

CAP 4720 ECS-CS 3(3,0) 
Computer Graphics: PR: COP 3503C and COT 3960 and MAC 2147 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics APIs. Occasional.

CAP 5015 ECS-CS 3(3,0) 
Multimedia Compression on the Internet: PR: Seniors and graduate students with interest in internet technology. Multimedia data; internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model based compression. Occasional.

CAP 5055 ECS-CS 3(3,0) 
AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5066 ECS-CS 3(3,0) 
Web Application Authoring Tools: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for determining which tool is best suited for a particular application environment. Fall.

CAP 5100 ECS-CS 3(3,0) 
Human-Computer Interface Design: PR: COP 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focus on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.

CAP 5415 ECS-CS 3(3,0) 
Computer Vision: PR: COP 3503C, MAC 2312 and COT 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5419 ECS-CS 3(3,0) 

CAP 5510 ECS-CS 3(3,0) 
Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.
Honors level content.

CJI 5015 HPA-C/LS 3(3,0)
The Nature of Crime: PR: Admission to Criminal Justice Master's program 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.

CJI 5073 HPA-C/LS 3(3,0)
Data Management Systems for Crime Analysis: PR: Graduate standing or C.I. This course is designed to provide the conceptual basis, understanding, and skills necessary for complex crime data manipulation. Fall, Spring.

CJI 5406 HPA-C/LS 3(3,0)
Research and Technology Implementation: Changing roles of social and physical sciences as related to the objectives and administration of public safety agencies. Occasional.

CJI 5456 HPA-C/LS 3(3,0)
The Administration of Justice: PR: Admission to Criminal Justice Master's 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.

CJI 5467 HPA-C/LS 3(3,0)
Justice and Safety System Manpower: Processes essential to the management of human resources in criminal justice and public safety agencies; structure and processes for acquisition, training, and maintenance of personnel. Occasional.

CJI 5617 HPA-C/LS 3(3,0)

CJI 5675 HPA-C/LS 3(3,0)
Human Rights and Criminal Justice: PR: Senior scholar or graduate standing or C.I. Provides in-depth analysis of the human rights movement and its potential impact upon criminal law as well as the juvenile and criminal justice systems. Occasional.

CJI 5931 HPA-C/LS 3(3,0)
Contemporary Criminal Justice Strategies: PR: Graduate standing or C.I. Graduate level analysis of contemporary crime 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. Occasional.

CJI 5934 HPA-C/LS 1(1,0)
Criminal Justice Investigative Process: PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how criminal justice investigative processes operate. Focuses on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 4 times. Occasional.

CDA 3103 ECS-CS 3(3,0)

CDA 4150H ECS-CS 4(3,1)
Honors Computer Architecture: PR: Consent of Honors and COP 3602 and CDA 3102C. Basic processor design, hardwired and microprogrammed control, ALU, memory organization, pipelining, I/O and computer arithmetic. With Honors level content. Occasional.

CDA 5106 ECS-CS 3(3,0)
Advanced Computer Architecture: PR: EEL 4768C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-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 computing, arrays, message-passing; shared memory; taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.

CDA 5215 ECS-CS 3(3,0)
Architecture and Design of VLSI: PR: EEL 4768C. Overview of VLSI technology. Logical design of basic soft systems, integrated system design tools; design of a VLSI computer system. Occasional.

CDA 5530 ECS-CS 3(3,0)

CDA 5532 ECS-CS 3(3,0)

CEG 3301 ECS-CHE 3(3,0)
Geological and Engineering Geology: PR: EGN 3321 and CHS 1440 or equivalent. Principles of physical geology, with emphasis on engineering and environmental topics. Study of land forms, geologic maps, geologic structure, weathering, groundwater, mass wasting, and earthquakes. Occasional.

CEG 4011C ECS-CHE 4(3,2)
Geotechnical Engineering I: PR: EGN 3331 with a grade of "C" (2.0) or better and COP 3221. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Fall, Spring. M&S fee: $15.00.

CEG 4801C ECS-CHE 2(2,2)
Geotechnical Engineering Design: PR: CEG 4011C. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee: $15.00.

CEG 4812 ECS-CHE 1(1,0)
Historical Developments in Civil Engineering: Seminar covering major historical developments in civil engineering. Occasional.

CEG 5015 ECS-CHE 3(3,0)
Geotechnical Engineering II: PR: CEG 4011C. Continuation of CEG 4011C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability. Occasional.

CEG 5700 ECS-CHE 3(3,0)
Geo-Environmental Engineering: PR: CEG 4011C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater contaminant transport, geoecohysitcs and stability of landfill design, control of contaminated sites. Occasional.

CEN 4020 ECS-CS 3(3,0)
Component-based Engineering Software: PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and reusable software in different component levels. Occasional.

CEN 5016 ECS-CS 3(3,0)
Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.

CEN 5077 ECS-CS 3(3,0)

CEN 5326 ECS-CS 3(3,0)
Web Server Configuration and Maintenance: PR: COP 5502C, CFI 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.

CES 4100C ECS-CEE 4(3,3)
Structural Analysis I and Lab: PR: EGN 3331 with a grade 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.

CES 4101 ECS-CEE 3(3,0)
Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Introduction to matrix structural analysis, 2D and 3D structural analysis, special topics and modeling techniques, software tools for structural engineers for computer based applications. Occasional.

CES 4605 ECS-CEE 3(3,0)
Steel Structures: PR: CES 4100C. Design of structural steel members and buildings based on ASD or LRFD building code; introduction to ASD-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall.

CES 4608C ECS-CEE 3(2,2)

CES 4702 ECS-CCE 3(3,0)
Reinforced Concrete Structures: PR: CES 4100C or C.I. Design of RC members using ACI code; beam flexure and shear; compression bending; bending and development; introduction to continuous frames. Spring.

CES 4709C ECS-CCE 3(3,0)
Concrete Design: PR: CES 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. Fall & Spring. M&S fee: $15.00.

CES 5114 ECS-CCE 3(3,0)
Matrix Methods for Structural Analysis: PR: CES 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. Occasional.

CES 5325 ECS-CCE 3(3,0)
Bridge Engineering: PR: CES 4605 and CES 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. Occasional.

CES 5606 ECS-CCE 3(3,0)
Advanced Steel Structures: PR: CES 4605. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam-columns. Occasional.
UCF Courses and Descriptions

CET 5706 ECS-CSE 3(3.0)
Advanced Reinforced Concrete: PR: CET 4702 or C.I. Design of frames, two-way floor systems, shear walls, shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. Occasional.

CET 5821 ECS-CSE 3(3.0)
Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.

CET 2124 ECS-ENT 3(3.0)
Microcomputer Technology I: PR: High level programming language. Microcomputer assembly programming, including overview of architecture and operating system environment. Fall.

CET 2364 ECS-ENT 3(3.0)
Systems Applications in C/C++: PR: MAC 1105 or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C/C++ programming languages. Fall, Spring.

CET 3115C ECS-ENT 4(3.2)
Digital Technology: PR: MAC 1105 and C.I. Digital logic gates, memory devices, Karnaugh Maps, combinational logic, arithmetic units, registers and sequential logic. Fall, Spring.

CET 3198C ECS-ENT 3(3.2)

CET 3383 ECS-ENT 3(3.0)
Applied Systems Analysis I: PR: CET 2364 or equivalent. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. May be repeated for credit. Spring.

CET 3529 ECS-ENT 3(3.0)
Linux/Unix System Admin and Applications: PR: CET 2364 or equivalent. Installation, creation and maintenance of file systems, backups, and configuration. Fall, Spring.

CET 3679 ECS-ENT 3(3.0)
Intro to Telephony: PR: EET 3065C or equivalent or C.I. An introductory level course in telephony technology. The telephony environment, telemanagement, telephony connectivity and services of telephony. Fall.

CET 4134C ECS-CSE 3(2.4)
Microprocessor Electronics II: PR: Digital Circuits I or C.I. Architecture and applications of various types of programmable logic devices. Design entry methods, e.g. HDL, schematic capture, etc. Lab exercises using PALS, PLDs, and FPGAs. Occasional.

CET 4333 ECS-ENT 3(3.0)

CET 4334C ECS-ENT 3(2.2)

CET 4427 ECS-ENT 3(3.0)
Applied Database I: PR: CET 2364 or equivalent. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. May be repeated for credit. Fall, Spring.

CET 4429 ECS-ENT 3(3.0)
Applied Database II: PR: CET 4427. Continuation of CET 4427. Study of hierarchical database system. Programming project is required. May be repeated for credit. Spring.

CET 4469C ECS-ENT 3(2.2)

CET 4483 ECS-ENT 3(3.0)
Intro to Local Area Network Technology: PR: CET 3065C or equivalent or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. May be repeated for credit. Spring.

CET 4505 ECS-ENT 3(3.0)
Applied Operating Systems I: PR: CET 2364, Modifying the operating system to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.

CET 4523 ECS-ENT 3(3.0)
Applied Systems Analysis II: PR: CET 3383. Continuation of CET 3383, with emphasis on distributed processing which includes the interfacing of minis, Micros, software, communications, and data base technology into a responsive information system. Occasional.

CET 4583 ECS-ENT 3(3.0)
Web Based Systems I: PR: CET 2364. Introduction to web systems with emphasis on server configuration, web standards, and portal design. Occasional.

CET 4584 ECS-ENT 3(3.0)
Web Based Systems II: PR: CET 4583. Advanced web design concentration on use of current technology (CGI, Java, XML, DHTML) to provide interactivity. Fall.

CET 4663 ECS-ENT 3(3.0)

CET 4668 ECS-ENT 3(3.0)

CET 4741L ECS-CS 3(0.3)
Computer Networking Laboratory: PR: C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication texts. Occasional.

CGN 5504C ECS-CEE 3(2,2) Civil Engineering Materials: PR: EGN 3365, EGN 3331, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. Occasional.

CGN 5506C ECS-CEE 3(2,2) Asphalt Concrete Mix Design: PR: CEG 4011C. Properties of asphalt, aggregate and asphalt mixtures, Marshall mix design, Hveem mix design, pavement reha-

CGS 1060C ECS-CS 3(2,2) Introduction to Computer Science: History, typical computer, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Fall, Spring. M&S fee: $15.00

CGS 1060H ECS-CS 3(2,2) Honors Introduction to Computer Science: PR: Permission of Honors. History, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Occasional. M&S fee: $15.00

CGS 2100C ECS-CS 3(2,1) Computer Fundamentals for Business: Uses of computers and software in business, including business applications, commercial packages, and the internet. Not open to Computer Science majors. Fall, Spring. M&S fee: $15.00

CGS 2545C ECS-CS 3(2,1) Database Concepts: PR: CGS 1060C or equivalent. Entity-relation model, relational database management systems, normal forms, performance or databases, report generation, Fall, Spring.

CGS 2585C ECS-CS 3(2,1) Desktop Internet Publishing: PR: CGS 1060C or equivalent. Principles and techniques of page layout and formatting for documents and newsletters, presentation techni-

CGS 3175 ECS-CS 3(3,0) Internet Applications: PR: CGS 1060C. HTML coding, using images, sounds and animation, advanced text formatting, forms and CSS scripts, introduction to JavaScript. Fall, Spring.


CGS 4144 ECS-CS 3(3,0) Introduction to Informatics: PR: CGS 3175 and HIM 3006. Computers and mechanical intelligence. The informa-


CHI 1120C CAH-LANG 4(3,1) Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H CAH-LANG 4(4,0) Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no exposure in the language. Honors level content. Occasional.


CHI 2200 CAH-LANG 3(3,0) Intermediate Chinese I: PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2201 CAH-LANG 3(3,0) Intermediate Chinese II: PR: CHI 2200 (Intermediate Chinese I). Continuation of CHI 2200 with emphasis on Chinese cultures. Fall, Spring.

CHM 1020 COS-CHEM 3(3,0) Concepts in Chemistry: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHM 1032 COS-CHEM 3(3,0) General Chemistry: PR: MAC 1105 or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The “NC” grading policy applies to this course. Fall, Spring.

CHM 1032L COS-CHEM 1(0,3) General Chemistry Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee: $25.00

CHM 2040C COS-CHEM 3(2,1) Chemistry Fundamentals Ia: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105 recommended. Not open to students with credit in CHM 2045C. Elementary principles of modern chemistry, including units and measures, stoichiometry, energy, chemi-

CHM 2041C COS-CHEM 3(2,1) Chemistry Fundamentals Ib: PR: CHM 2040C or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040C. The states of matter, reaction rates and equilibria, acids and bases. The “NC” grading policy applies to this course. Spring.
UCF Courses and Descriptions

CHM 3212L COS-CHEM 2(0,6)
Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. Open-end laboratory to develop synthesis techniques and structure elucidation skills. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall. M&S fee: $45.00

CHM 3410 COS-CHEM 4(3,1)
Physical Chemistry I: PR: CHM 2046, PHY 2049, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.

CHM 3411 COS-CHEM 3(3,0)

CHM 3411L COS-CHEM 2(0,6)
Physical Chemistry Laboratory: PR: CHM 3120 and CR: CHM 3411. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee: $94.00

CHM 3422 COS-CHEM 3(3,0)
Applied Physical Chemistry: PR: PHY 2049 and PHY 2046L. Physical chemistry as applied to the study of biological and forensic science. Fall.

CHM 4130 COS-CHEM 3(3,0)
Advanced Analytical Laboratory Technique: PR: CHM 2211 and CHM 3120 (with a minimum grade of “C” or 2.0) and CR:CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.

CHM 4130L COS-CHEM 2(0,6)
Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. This course focuses on the experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will also be exercised. Spring. M&S fee: $25.00

CHM 4220 COS-CHEM 3(3,0)

CHM 4610 COS-CHEM 3(3,0)

CHM 4610L COS-CHEM 2(0,6)
Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&S fee: $25.00

CHM 4914C COS-CHEM 1(1,1)
Undergraduate Research Methods: PR: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall. Spring.

CHM 4930 COS-CHEM 1(1,0)
Undergraduate Chemistry Seminar: PR: CHM 3411 and CHM 4014C. A topic of current chemical interest will be presented by students at a regularly scheduled departmental seminar. May be used in the degree program a maximum of 2 times. Fall, Spring.

CHM 5225 COS-CHEM 3(3,0)
Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

CHM 5235 COS-CHEM 3(3,0)
Applied Molecular Spectroscopy: PR: CHM 3120 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

CHM 5305 COS-CHEM 3(3,0)
Applied Biological Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.

CHM 5450 COS-CHEM 3(3,0)
Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

CHM 5451C COS-CHEM 3(1,5)
Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&S fee: $45.00

CHM 5580 COS-CHEM 3(3,0)
Advanced Physical Chemistry: CR: CHM 3411 and PR: MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.

CHM 5715C COS-CHEM 3(2,3)
Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 4(3,1)
Fundamentals of Chemistry for Engineers: PR: Any year of high school chemistry or CHM 1032. Basic concepts of chemistry with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibrium, electrochemistry and thermodynamics. The “NC” grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3,0)
Introduction to Forensic Science: PR: C grade or better in CHM 2046 L or L, or C.I. Intended for majors and non-majors to provide an overview of the specialty areas in Criminalistics (crime lab). Spring.

CHS 3505C COS-CHEM 4(2,6)
Forensic Microscopy: PR: “C” grade or better in CHM 2046 and L, PHY 2054C and CHS 3501. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee: $45.00

CHS 3511C COS-CHEM 4(2,6)
Trace Evidence: PR: “C” grade or better in CHS 3505C. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&S fee: $45.00

CHS 3514C COS-CHEM 3(2,3)
Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3,3)
Forensic Analysis of Controlled Substances: PR: “C” grade or better in CHM 3120, CHM 3410, CHM 2211, CHM 2211L, and CHS 3505C. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee: $45.00

CHS 3533 COS-CHEM 2(2,0)
Forensic Biochemistry Laboratory: PR: “C” or better in BSC 2010C, PBC 3063 & L, and PBC 3233 & L. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall. M&S fee: $30.00

CHS 3533L COS-CHEM 1(0,3)
Forensic Biochemistry Laboratory: PR: “C” or better in BSC 2010C, PBC 3063 & L, PBC 3233 & L and PR: or CR: CHS 3533C. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall.

CHS 3540C COS-CHEM 2(1,3)
Fire and Debris Analysis I: PR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3,0)
Forensic Science in the Courtroom: PR: CHS 3501. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3949 COS-CHEM 0(0,8)

CHS 4200 COS-CHEM 3(3,0)

CHS 4506C COS-CHEM 3(2,3)
Forensic Investigation Technology: PR: A grade of “C” or better in CHS 3511C. Modern technology applied to forensic investigation. Occasional.

CHS 4515C COS-CHEM 4(2,6)
Forensic Crime Scene Investigation: PR: Grade of “C” or better in CHM 3120, CHS 3511C, CHS 3530C, CHS 3533C and CHS 4506C. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

CHS 4532 COS-CHEM 3(3,0)
Interpretation of DNA Evidence: PR: Grade of “C” or better in CHS 3532C. Concepts and principles of genetic data analysis as applied to forensics. Occasional.

CHS 4534C COS-CHEM 3(1,6)

CHS 4537 COS-CHEM 2(2,0)
Forensic Laboratory Quality Assurance: PR: Grade of “C” or better in CHS 3501, CHS 3505C, and CHS 3533C. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Odd Fall.

CHS 4541C COS-CHEM 2(1,3)
Fire and Debris Analysis II: PR: CHS 3540C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.
Managing IT Integration:

Web-Based Information Technology:
CIS 4004 ECS-CS 3(3,0)

CIS 4361 ECS-CS 3(3,0)
Secure Operating Systems and Administration: PR: COP 4600 or CCS 3763. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4615 ECS-CS 3(3,0)
Secure Software Development and Assurance: PR: (COP 4600 or CCS 3763) and (CIS 3360 or CIS 3382) or C.I. Thread modeling. Secure code lifecycle, Buffer overflows, race conditions and format string problems, inputs and clients, File system, Cryptography applications, UMLsec, Java security and Reverse engineering. Occasional.

CIS 5105 ECS-CS 3(3,0)

CIS 5378 ECS-CS 3(3,0)

CJC 3010 HPA-CJ/LS 3(3,0)
Corrections and Penology: PR: CCJ 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.

CJC 3134 HPA-CJ/LS 3(3,0)

CJC 3164 HPA-CJ/LS 3(3,0)
Community-Based Corrections: PR: CCJ 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ/LS 3(3,0)

CJC 5020 HPA-CJ/LS 3(3,0)

CJE 4012 HPA-CJ/LS 3(3,0)
Criminal Profiling in Criminal Justice: PR: CCJ 3014 or C.I. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJE 4014 HPA-CJ/LS 3(3,0)
Police and Society: PR: CCJ 3024 or C.I. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174 HPA-CJ/LS 4(4,0)
Comparative Justice Systems: PR: CCJ 3024 and C.JL 3510 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.

CJE 4350 HPA-CJ/LS 3(3,0)
Policy Development in Law Enforcement: PR: CJE 4014. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410 HPA-CJ/LS 3(3,0)
Community Policing: PR: CCJ 3014, CJE 4014. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.

CJE 4572 HPA-CJ/LS 3(3,0)
Justice Agency Operations: PR: CCJ 3024 and CCJ 3510 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.

CJC 4610 HPA-CJ/LS 3(3,0)
Criminal Investigation: PR: CJE 4014. Course acquaints students with basic Procedures used in Criminal investigations, purpose of investigatory, and ingredients for successful investigations. Fall, Spring.

CJC 4630 HPA-CJ/LS 3(3,0)

CJE 4654 HPA-CJ/LS 3(3,0)

CJE 4663 HPA-CJ/LS 3(3,0)
Crime Analysis I: PR: CJE 4654. Provides the essential data analysis skills necessary to effectively analyze crime, understand crime data structures and the problems inherent in crime data. Occasional.

CJE 5021 HPA-CJ/LS 3(3,0)

CJE 5688 HPA-CJ/LS 3(3,0)

CJU 3014H HPA-CJ/LS 3(3,0)
Honors Juvenile Offenders: An Integrative Perspective: PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. Occasional.
UCF Courses and Descriptions

CJ 4564  HPA-CJ/LS  3(3,0)
Delinquency Control: PR: CCJ 3024 and C.J. 3510 or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Fall, Spring.

CJL 3110  HPA-CJ/LS  3(3,0)
Criminal Law in Action: Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJL 3510  HPA-CJ/LS  3(3,0)
Prosecution and Adjudication: PR: CCJ 3024 or PLA 3013 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJL 4010  HPA-CJ/LS  3(3,0)
Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages, including stops and frisks; arrests; searches and seizures wiretaps; and, interrogations. Occasional.

CJL 4046  HPA-CJ/LS  3(3,0)
Liability Issues in Criminal Justice: PR: CCJ 3024. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.

CJL 4410  HPA-CJ/LS  3(3,0)
Legal Aspects of the Criminal Court Process: PR: CJ 3510. The legal dimension of various criminal court decision making stages, including: bail; challenging; preliminary hearing; grand jury; pretrial hearings plea hearings; trial; and, sentencing. Occasional.

CJL 4514  HPA-CJ/LS  3(3,0)

CJL 5049  HPA-CJ/LS  6(6,0)
International Perspectives on Law and Justice: PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.

CJT 3803  HPA-CJ/LS  3(3,0)

CJT 3821  HPA-CJ/LS  3(3,0)
Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. Occasional.

CJT 4843  HPA-CJ/LS  3(3,0)
Risk Management in Criminal Justice/Private Security: PR: SCC 311. This course examines the concept of risk management in a criminal justice context. Occasional.

CLP 3184  COS-PSYCH  3(3,0)
Women’s Mental Health: PR: PSY 302. 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: PHE 3003 and CLP 3343. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.

CLP 3413  COS-PSYCH  3(3,0)
Contemporary Behavior Therapy: PR: CLP 3343. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467C  COS-PSYCH  3(2,2)
Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 302. 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)
Childhood Psychopathology: PR: PSY 302. CLP 3343, DEP 3004, PHE 3003. An in-depth survey of the prevalence, classification, symptoms, diagnosis, consequences, and treatments of disorders of infancy, and childhood. Fall, Odd Spring.

CLP 4314  COS-PSYCH  3(3,0)
Health Psychology: PR: CLP 3343, PHE 3002, PHE 3003. Interactions between psychosocial and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical phases of prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. Occasional.

CLP 4390  COS-PSYCH  3(3,0)
Forensic Psychology: PR: PSY 302 and SOP 3751. Clinical practice of psychology within the legal system, including forensic evaluation of competency/insanity, treatment, and criminal profiling. Spring.

CLP 4402C  COS-PSYCH  3(2,2)

CLP 5166  COS-PSYCH  3(3,0)
Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture Laboratory. Occasional.

CLP 5187  COS-PSYCH  3(3,0)
Mental Health and Aging: PR: Graduate status or senior standing or C.I. Examination of the evaluation and assessment 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: ENC 3102 and either HUM 2210, REL 2300, WOH 2012, or LIT 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.

CLT 3378  CAH-PHIL  3(3,0)
Comparative Mythology: PR: ENC 3102 and either HUM 2210, REL 2300, WOH 2012, LIT 2110, or CLT 3370. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. Occasional.

CLM 4240  COS-R/TV  3(1,2)
Corporate/Institutional Video: PR: RTV 3200, RTV 3260C (RTV 3260C may be taken concurrently). Preparation of non-broadcast corporate/institutional video programs including planning, budgeting, production, and evaluation. Occasional.

CMT 3004  ECS-CS  3(3,0)

CMT 4403  ECS-CS  3(3,0)
Network Security and Privacy: PR: (CMT 3004 or CMT 4403 or CMT 4704) and (CIS 3360 or CIS 3362) or C.I. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. Occasional.

CMT 4703C  ECS-CS  3(1,2)
Design and Implementation of Computer Communication Networks: PR: CMT 3004, COP 3502C, MAD 2104 or COT 3100C. Data communication networking technologies (TCP/ IP, Ethernet, Gigabit Ethernet, ATM, Frame Relay), products (routers, switches, adapters, cabling), base design and detailed configuration including hands-on exercises. Fall, Spring M/F fee: $10.00.

CMT 4704  ECS-CS  3(3,0)
Analysis of Computer Communication Networks: PR: CMT 3100C, STA 2133, MAC 2211. Network design using layers. Introduction to networking topology, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution. Occasional.

CMT 4714  ECS-CS  3(3,0)

CMT 5008  ECS-CS  3(3,0)

COM 1000  COS-COMM  3(3,0)
Introduction to Communication: Survey course introducing students to theory, history, and practical principles associated with human communication in interpersonal, public, and professional contexts. Fall, Spring.

COM 2347C  COS-COMM  1(1,1)
Sports Speaking and Interviewing: PR: SPC 1608. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Graded S/U. Occasional.

COM 3011C  COS-COMM  3(3,0)

COM 3013  COS-COMM  3(3,0)
Communication and the Family: PR: SPC 1608. The ways members of a family unit interact verbally and nonverbally to influence one another. Even Fall.

COM 3110  COS-COMM  3(3,0)
Business and Professional Communication: PR: Majors only, SPC 1608 or C.I. Theoretical and practical training in effective presentational speaking for business and professions. Fall, Spring.
COM 3110H COS-COMM 3(3,0)
Honors Business and Professional Communication: Pr: Majors only. SPC 1608 or C.I. and consent of Honors. Theoretical and practical training in effective presentional speaking for business and professions. With Honors content. Occasional.

COM 3120 COS-COMM 3(3,0)
Organizational Communication: Pr: COM 3311. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.

COM 3311 COS-COMM 3(3,0)
Communication Research Methods: Pr: STA 2044C. Research methods used in communication. Understanding and interpretation of original research emphasized. Fall, Spring.

COM 3330 COS-COMM 3(3,0)
Computer Mediated Communication: Pr: CS 1060C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Even Spring.

COM 3332 COS-COMM 3(3,0)
Communication, Technology, and Change: Pr: SPC 1608. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Spring.

COM 3406 COS-COMM 3(3,0)

COM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: Pr: SPC 1608 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Occasional.

COM 4461 COS-COMM 3(3,0)
Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. Fall, Even Spring.

COM 4462 COS-COMM 3(3,0)
Conflict Management: Pr: COM 3311. The study of communication in everyday conflicts. Fall, Spring.

COP 2500C ECS-CS 4(3.1)
Concepts in Computer Science: Pr: Foundations course. Concepts in program design, data structures, algorithms, analysis and a survey of topics in CS. Not open to Computer Science majors. Fall, Spring.

COP 3223 ECS-CS 3(3.0)
Introduction to Programming with C: Equivalent to EGN 3211. Programming in C including arrays, pointer manipulation and use of standard C math and IO libraries. Fall, Spring.

COP 3330 ECS-CS 3(3,0)
Object Oriented Programming: Pr: COP 3223. Object oriented programming concepts (classes, objects, methods, 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: COP 3502C. Design and development of assemblers, loaders, compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3502C ECS-CS 3(3,0)
Computer Science I: Pr: COP 3223 and MAC 1105. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3502H ECS-CS 3(3,0)

COP 3503C ECS-CS 4(3.1)
Computer Science II: Pr: COP 3502C and COP 3505C and (MA 2104 and COP 3330). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

COP 3503H ECS-CS 4(3.1)
Honors Computer Science II: Pr: Permission of Honors and (COP 3502H or COP 3503C) and COP 3330 and (MA 2104 or COP 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors content. Fall.

COP 4020 ECS-CS 3(3,0)
Programming Languages I: Pr: COP 3503C and COP 3960. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms object-oriented, functional and logic programming are presented. Fall, Spring.

COP 4331C ECS-CS 4(3.1)

COP 4516C ECS-CS 3(1.3)
Problem Solving Techniques and Team Dynamics: Pr: COP 3520C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. Occasional.

COP 4520 ECS-CS 3(3.0)
Concepts of Parallel and Distributed Processing: Pr: COP 3402 and COP 3503C and COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600 ECS-CS 3(3.0)
Operating Systems: Pr: COP 3402 and COP 3503C and COP 3960 for Computer Science students. Function and organization of operating systems, process management, virtual memory, IO management, and file management. Fall, Spring.

COP 4610L ECS-CS 3(0.3)
Operating Systems Laboratory: Pr: COP 3502C. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4710 ECS-CS 3(3.0)
Database Systems: Pr: COP 3503C. Storage and access structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-CS 3(3.0)
Frontiers in Information Technology: Pr: COP 4610L or CNT 4703C. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. Spring.

COP 5021 ECS-CS 3(3.0)
Program Analysis: Pr: COP 4020 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, control flow analysis, and yes and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0)
Network Optimization: Pr: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 ECS-CS 3(3.0)

COP 5711 ECS-CS 3(3.0)
Parallel and Distributed Database Systems: Pr: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. Occasional.

COT 3100C ECS-CS 3(3,1)

COT 3100H ECS-CS 3(3,0)

COT 3960 ECS-CS 0(1.0)

COT 4210 ECS-CS 3(3.0)

COT 4400 ECS-CS 3(3,0)

COT 4500 ECS-CS 3(3.0)

COT 4810 ECS-CS 3(3.0)
Topics in Computer Science: Pr: COP 3402 and COP 3503C and COP 3960. A range of topics from the field of Computer Science: application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5310 ECS-CS 3(3,0)
Formal Languages and Automata Theory: Pr: COP 4020 and COP 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(k) grammars. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Type</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>COT 5405</td>
<td>ECS-CS</td>
<td>Design and Analysis of Algorithms: PR: COT 4210. Classification of algorithms, e.g., recursive, divide-and-conquer, greedy, etc. Data Structures and algorithm design and performance. Time and space complexity analysis.</td>
<td>Fall, Spring</td>
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<tr>
<td>COT 5507</td>
<td>ECS-CS</td>
<td>Computational Methods/Applications: PR: COT 4500. Computational solution techniques for algebraic equations, ODE and PDE Models of applications selected from science, engineering, applied mathematics, and computer science. Occasional.</td>
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<tr>
<td>CPO 3034</td>
<td>COS-POLS</td>
<td>Politics of Developing Areas: Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.</td>
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<tr>
<td>CPO 3103</td>
<td>COS-POLS</td>
<td>Comparative Politics: PR: POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.</td>
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<tr>
<td>CPO 3104</td>
<td>COS-POLS</td>
<td>Politics of Western Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1848 era. Odd Spring.</td>
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<tr>
<td>CPO 3403</td>
<td>COS-POLS</td>
<td>Politics of the Middle East: PR: POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Even Fall, Spring.</td>
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<tr>
<td>CPO 3403H</td>
<td>COS-POLS</td>
<td>Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level credit. Occasional.</td>
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<tr>
<td>CPO 4047</td>
<td>COS-POLS</td>
<td>Politics of the NAFTA Region: PR: POS 2041 or C.I. Contemporary politics of the NAFTA region, analyzing important political and socio-economic issues. Occasional.</td>
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<tr>
<td>CPO 4074</td>
<td>COS-POLS</td>
<td>Political Economy: PR: Junior standing or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.</td>
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<tr>
<td>CPO 4101</td>
<td>COS-POLS</td>
<td>Politics of the European Union: PR: POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.</td>
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<tr>
<td>CPO 4123</td>
<td>COS-POLS</td>
<td>Government and Politics of Great Britain: 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>
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<tr>
<td>CPO 4303</td>
<td>COS-POLS</td>
<td>Comparative Latin American Politics: Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.</td>
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<tr>
<td>CPO 4445</td>
<td>COS-POLS</td>
<td>Comparative Political Parties: PR: POS 2041, and Junior standing or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.</td>
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<tr>
<td>CPO 4555</td>
<td>COS-POLS</td>
<td>Politics of Japan: PR: POS 2041 or CPO 3103 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Fall.</td>
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<tr>
<td>CPO 4643</td>
<td>COS-POLS</td>
<td>Government and Politics of Russia: Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. Occasional.</td>
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<tr>
<td>CPO 4710</td>
<td>COS-POLS</td>
<td>Women in Comparative Politics: PR: Junior standing or C.I. A cross-national perspective on women and politics, how women behave politically in various political and economic contexts. Occasional.</td>
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<tr>
<td>CPO 4754</td>
<td>COS-POLS</td>
<td>Comparative Political Institutions: PR: POS 2041, Jr. standing or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.</td>
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<tr>
<td>CPO 4784</td>
<td>COS-POLS</td>
<td>Political and Economic Inequality in Comparative Perspective: PR: POS 2041, Jr. standing or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. Occasional.</td>
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<tr>
<td>CPO 4794</td>
<td>COS-POLS</td>
<td>Indigenous Politics and the Environment: PR: POS 2041 or C.I. Unique environmental politics specific to indigenous peoples around the world. Occasional.</td>
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<tr>
<td>CPO 5034</td>
<td>COS-POLS</td>
<td>Contemporary Politics of the Mayan Region: PR: Graduate status or senior standing or C.I. Analysis of issues affecting all peoples living in the contemporary Mayan region of southern Mexico, Belize, Guatemala, and El Salvador. Occasional.</td>
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<tr>
<td>CRW 3010H</td>
<td>CAH-ENG</td>
<td>Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Occasional.</td>
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<tr>
<td>CRW 3011</td>
<td>CAH-ENG</td>
<td>Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENG 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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<tr>
<td>CRW 3013</td>
<td>CAH-ENG</td>
<td>Creative Writing for English Majors: PR: English major or minor, junior standing, and grade of C (2.0) or better required in ENG 1102, or C.I. Literary genres; practice and critique of peer writing; critical reading of established authors. Fall, Spring.</td>
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<tr>
<td>CRW 3120</td>
<td>CAH-ENG</td>
<td>Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3110, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.</td>
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<tr>
<td>CRW 3211</td>
<td>CAH-ENG</td>
<td>Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3110, or C.I. Writers present original nonfiction writing for class response and individual conferences. Close reading of key works of creative nonfiction with discussion of definitions of the genre. Fall, Spring.</td>
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<tr>
<td>CRW 3310</td>
<td>CAH-ENG</td>
<td>Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3110, 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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<tr>
<td>CRW 3311</td>
<td>CAH-ENG</td>
<td>Structure of Verse: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3110, or C.I. An intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.</td>
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<tr>
<td>CRW 3540</td>
<td>CAH-ENG</td>
<td>Literary Magazines: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3110, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. Fall, Spring.</td>
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<tr>
<td>CRW 3610</td>
<td>CAH-ENG</td>
<td>Writing Scripts: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3110, or C.I. Theory and practice of writing scripts for film and TV. Occasional.</td>
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<tr>
<td>CRW 4014</td>
<td>CAH-ENG</td>
<td>The Writing Life: PR: English major or minor, junior standing, completion of at least one of the following courses: A grade of C (2.0) or better in CRW 3120, CRW 3211, CRW 3310, or CRW 3610, CRW 3103, or C.I. Critical/ non-fiction/craft works and fictional works by a series of authors. Occasional.</td>
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<td>CRW 4114</td>
<td>CAH-ENG</td>
<td>History of Prose Style: PR: English major or minor, junior standing, and grade of C (2.0) or better in CRW 3120, CRW 3110, CRW 3610, CRW 3103, or C.I. Critical/ non-fiction/craft works and fictional works by a series of authors. Occasional.</td>
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CRW 4122 CAH-ENG 3(3,0)
Advanced Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4123 CAH-ENG 3(3,0)
Science Fiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3120, or C.I. Study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. Occasional.

CRW 4224 CAH-ENG 3(3,0)
Advanced Nonfiction Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3121, or C.I. Intensive reading, writing, and workshop of creative nonfiction drawing on memory, observation, journalistic research, and literary techniques. Fall, Spring.

CRW 4320 CAH-ENG 3(3,0)
Advanced Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3610, or C.I. Intensive practice in writing poems. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4816 CAH-ENG 3(3,0)
Advanced Scriptwriting Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3610, or C.I. Intensive writing practice in screen stories. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4722 CAH-ENG 3(3,0)
Editing for Creative Writers: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and at least one of CRW 3120, CRW 3121, CRW 3310, or CRW 3610, or C.I. Overview of editing processes, the history and future of editing, issues and areas of literary and trade book publishing, and style through grammar and syntax. Occasional.

CRW 4724 CAH-ENG 3(3,0)
The Florida Review: PR: English major and grade of C (2.0) or better required in CRW 3104 and CRW 3120 or CRW 3211. Intermediate class work and history lectures. Fall.

CRW 4804 CAH-ENG 3(3,0)
Creative Writing in the Community: PR: Junior standing and CRW 3310 or CRW 3120 or CRW 3211. Teaching creative writing to community groups through service-learning. Occasional.

CRW 5020 CAH-ENG 3(3,0)
Graduate Writing Workshop: PR: Admission to Creative Writing MFA and C.I. Student writers present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 4 times. Fall, Odd Spring.

CRW 5130 CAH-ENG 3(3,0)
Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of creative writing of given genre (poetry, short fiction, etc.). May be repeated for credit only when course content is different. Occasional.

CRW 5948C CAH-ENG 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.

CRW 3201 ECS-CEE 3(3,0)

CRW 4101C ECS-CEE 3(2,2)
Hydrology: PR: STA 3032; CRW 3201. Hydrological cycle, probabilistic forecasting, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring. M&S fee: $15.00.

CRW 4203C ECS-CEE 3(2,2)
Hydraulics: PR: CRW 3201 Continuation of CRW 3201 with emphasis on piping networks, pumps, and hydraulic systems. Laboratory with civil and environmental engineering applications. Fall, Spring. M&S fee: $20.00.

CRW 4812C ECS-CEE 3(2,2)
Water Resources Design: PR: CRW 410C, CRW 4203C. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&S fee: $15.00.

CWR 5125 ECS-CEE 3(3,0)
Groundwater Hydrology: PR: CRW 4203C or equivalent. Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.

CWR 5205 ECS-CEE 3(3,0)

CWR 5515 ECS-CEE 3(3,0)
Numerical Methods in Civil and Environmental Engineering: PR: CRW 410C. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.

CWR 5545 ECS-CEE 3(3,0)

DAA 2100C CAH-THEA 2(2,1)
Modern Dance I PR: Theatre major, Dance minor, or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.

DAA 2101C CAH-THEA 2(2,1)
Modern Dance II PR: Theatre major, Dance minor, or department consent. 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. Fundamentals of classical ballet, includes practical dance work as well as dance history lectures. Fall.

DAA 2300 ED-CFCS 2(2,0)
Ballroom Dance: Instructed in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Graded SU. May be repeated for credit. Fall, Spring.

DAA 2351 ED-CFCS 2(2,0)
Salsa & Latin Dance: Instructed in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Graded SU. May be repeated for credit. Fall, Spring.

DAA 2393C CAH-THEA 2(2,1)
World Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

DAA 2520C CAH-THEA 2(2,1)
Tap Dance I PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(2,1)
Tap Dance II PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements 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: DAA 2200C, and Theatre major, or Dance minor, or department consent. Advanced Jazz dance using theory and practice in jazz technique. Spring.

DAA 3108C CAH-THEA 2(2,1)
Modern Dance III PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Advanced exploration of form, style, and technique in creative movement. May be repeated for credit. Spring.

DAA 3208C CAH-THEA 2(2,1)
Ballet III PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. Fall.

DAA 3524C CAH-THEA 2(2,1)
Tap Dance III PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. Fall.

DAA 3612 CAH-THEA 3(3,0)

DAA 3645 CAH-THEA 2(0,VAR)
Choreography Practicum PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. 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 3684 CAH-THEA 1(0,VAR)
Dance Performance PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Student performance in a concert dance work. May be repeated for credit. Spring. M&S fee: $15.00
UCF Courses and Descriptions

DAE 3370 ED-CFCS 3(1,2)

DAN 3134 CAH-THEA 3(3,0)
Dance History I: PR: DAA 2200C or DAA 2520C or DAA 2570C or DAA 2393C, and Theatre major, Dance minor, or department consent. The roots, trends, and styles of dance from prehistory through the early 20th century. Fall.

DEP 2004 COS-PSYCH 3(3,0)

DEP 2004H COS-PSYCH 3(3,0)
Honors Developmental Psychology: PR: PSY 2012 and consent of Honors. Genetic, psychological, maturational, and social factors on behavior throughout the life cycle. With Honors consent. Fall.

DEP 3202 COS-PSYCH 3(3,0)

DEP 3464 COS-PSYCH 3(3,0)
Psychology of Aging: PR: PSY 2012. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional and cognitive-intellectual functioning. Occasional.

DEP 5057 COS-PSYCH 3(3,0)
Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. Spring.

DIG 2000 CAH-DIG 3(3,0)
Introduction to Digital Media: PR: ENC 1101 and MAC 1105. Introduction to history, principles, and processes associated with digital media and designing for digital media with emphasis on production and communication. Fall, Spring.

DIG 2030C CAH-DIG 3(2,2)

DIG 2109C CAH-DIG 3(2,2)

DIG 2485 CAH-DIG 3(3,0)
Visual Language of the Moving Image: PR: Minimum grade of "B" (3.0) or better in DIG 2000. Conceptual structure and design of visual storytelling. Principles, mechanics, character development, personality of place, exaggeration and effects. Fall, Spring.

DIG 2500C CAH-DIG 3(2,2)

DIG 2821 CAH-DIG 3(3,0)
Creative Digital Media Problem Solving: PR: Minimum grade of "B" (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media. Fall, Spring.

DIG 3024 CAH-DIG 3(3,0)

DIG 3035 CAH-DIG 1(1,0)
Digital Media in the Workplace: PR: ENC 1102. Workplace skill preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3134 CAH-DIG 3(3,0)
Mediography: PR: DIG 2000 and COP 2500C with a minimum grade of "B" (3.0) in DIG 2000. Fundamentals of software design in Internet environments. Introduction to discrete mathematics, programming, design schema, and computational structures. Fall, Spring.

DIG 3138C CAH-DIG 3(2,2)

DIG 3153 CAH-DIG 3(3,0)
Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, document design, markup languages and the editing process. Fall, Spring.

DIG 3253C CAH-DIG 3(2,2)
Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. Fall, Spring.

DIG 3286C CAH-DIG 3(2,2)

DIG 3355C CAH-DIG 3(2,2)
Artificial Environments and Effects: PR: DIG 2485 and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall.

DIG 3362C CAH-DIG 3(2,2)
Artificial Characters: PR: DIG 2485 and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. Fall.

DIG 3433C CAH-DIG 3(2,2)

DIG 3450H CAH-DIG 3(3,0)

DIG 3450H CAH-DIG 3(3,0)

DIG 3480C CAH-DIG 3(2,2)

DIG 3525 CAH-DIG 3(3,0)
Digital Media Production I: PR: DIG 2030C, DIG 2109C, and DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution, group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.

DIG 3543C CAH-DIG 3(2,2)

DIG 3563 CAH-DIG 3(3,0)
Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-DIG 3(2,2)
Internet Interaction: PR: DIG 3480C. Front and planning and design of web pages. Design using markup languages and style sheets to produce visually pleasing and usable interactive interfaces. Fall, Spring.

DIG 3811 CAH-DIG 3(3,0)
User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.

DIG 3951 CAH-DIG 0(0,0)

DIG 4104C CAH-DIG 3(2,2)
Web Design Workshop: PR: DIG 3134C, DIG 3716C, DIG 3563, and DIG 3611. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. Fall, Spring.

DIG 4204C CAH-DIG 3(2,2)

DIG 4206C CAH-DIG 3(1,4)
New Imagery in Motion Workshop: PR: DIG 4325C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 4323C CAH-DIG 3(1,4)
Modeling for Visual Language: PR: DIG 4204C, successful portfolio, or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they are animated effectively and express narrative for digital production. Fall.

DIG 4324C CAH-DIG 3(2,2)

DIG 4325C CAH-DIG 3(2,2)
DIG 4326C CAH-DIG 3(1,4)
Geometrical Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and mechanics of design and modeling of conceptual representations. Students apply techniques to 3D character animation. Spring.

DIG 4354C CAH-DIG 3(1,4)
Advanced 3D Animation: PR: DIG 4332C, successful portfolio review, or C.I. Advanced animation concepts and techniques developed in previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-DIG 3(1,4)
Artificial Environments and Effects Workshop: PR: DIG 3555C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on post-production. Spring.

DIG 4369C CAH-DIG 3(1,4)
Artificial Characters Workshop: PR: DIG 3362C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on character expression and animation. Spring.

DIG 4373C CAH-DIG 3(1,4)
3D Textures: PR: DIG 4369C, successful portfolio review, or C.I. Advanced application of lighting and surface attributes, improving the look of objects, scenes, and techniques learned in previous 3D courses. Spring.

DIG 4394C CAH-DIG 3(1,4)
Motion Graphics: Advanced Compositing: PR: DIG 4393C, successful portfolio review, or C.I. Advanced techniques including 3D compositing, lighting, particle systems, and compositing to create motion graphics. Spring.

DIG 4434C CAH-DIG 3(1,4)
Narrative Techniques in the Moving Image: PR: DIG 4453C, successful portfolio review, or C.I. Techniques for visual development with emphasis on storyboarding, visual language, and general production focusing on advanced narrative and evolving emotion. Spring.

DIG 4451C CAH-DIG 3(1,4)
Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques and mechanics of visual development with emphasis on visual design and successful portfolio review. Spring.

DIG 4455 CAH-DIG 3(3,0)
Interactive Performance II: PR: DIG 3450C or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. Spring.

DIG 4486C CAH-DIG 3(1,4)

DIG 4503 CAH-DIG 3(3,0)

DIG 4522 CAH-DIG 3(3,0)
Digital Media Service: PR: DIG 3035. Practicum in which students utilize their digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. Fall, Spring.
UCF Courses and Descriptions

DIG 5565C CAH-DIG 3(1,3)

DIG 5627 CAH-DIG 3(3,0)
Autonomous Characters: PR: Graduate status or senior standing or C.I. Interdisciplinary study of autonomous characters-computer programs that mimic human behavior in games, simulations and interactive literature. Formal models of strategy, tactics and actions. Occasional.

DIG 5810 CAH-DIG 3(3,0)
Ways of Seeing: Cultural and Technological Perspectives: PR: Admission to Film and Digital Media master's program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinema studies. Fall.

DIG 5835 CAH-DIG 3(3,0)
Digital Forensics: PR: CGS 5131 (Computer Forensics I) or C.I. Application of digital scientific techniques to solve information assurance, forensic and legal problems. Occasional.

DIG 5950 CAH-DIG 3(3,0)
Interactive Entertainment Capstone: PR: Admission to Digital Media MS. Prepare a product design document and technical design document for a production project. Gradated S/U. Fall, Spring.

DSC 4012 HPA-CJ/JS 3(3,0)
Terrorism: PR: CJC 3024 and CJIE 4014 or C.I. 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/JS 3(3,0)

EAB 3703 COS-PYSC 4(3,2)
Principles of Behavior Modification: PR: EXP 3404. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Lecture/Practicum. Fall.

EAB 3705C COS-PYSC 4(3,2)
Behavior Modification-Part II: PR: EAB 3703, EXP 3404. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. Occasional.

EAB 5765 COS-PYSC 3(3,0)
Applied Behavior Analysis with Children and Youth: PR: DEP 5057 and EXP 5445, and graduate status or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAS 3010 ECS-MMAE 3(3,0)
Fundamentals of Aerospace Flight: PR: EGN 3321 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311, MAC 2312 and PHY 2048; CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, airfoil theory, external and internal flows, airplane performance. Fall.

EAS 3101 ECS-MMAE 3(3,0)
Fundamentals of Aerodynamics: PR: EAS 3010. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. Spring.

EAS 3530 ECS-MMAE 3(3,0)

EAS 3800C ECS-MMAE 3(2,3)

EAS 3810C ECS-MMAE 3(1,3)
Design of Aerospace Experiments: PR: EAS 3800C and EAS 3010. Extension of EAS 3800C. Design of experiments in aeronautics/aerospace systems with emphasis on project team activity. Spring. M&S fee: $45.00

EAS 3990 ECS-MMAE 0(0,0)
Aerospace Career and Academic Faculty Advising I: PR: MAP 2302, Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EAS 4105 ECS-MMAE 3(3,0)

EAS 4134 ECS-MMAE 3(3,0)
High-Speed Aerodynamics: PR: EGN 3343, EML 3701, EAS 3800C. Continuation of EAS 3101. Normal and oblique shock waves, nozzle and wind tunnels, methods of analyzing compressible flow about aircraft, wings, and bodies. Viscous boundary layers and applications to the design process. Fall.

EAS 4154 ECS-MMAE 3(3,0)

EAS 4200 ECS-MMAE 3(3,0)

EAS 4210 ECS-MMAE 3(3,0)

EAS 4300 ECS-MMAE 3(3,0)
Aerothermodynamics of Propulsion Systems: PR: EAS 4134 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbojets, ramjets and rockets. Fall.

EAS 4400 ECS-MMAE 3(3,0)

EAS 4404C ECS-MMAE 3(2,3)
Discrete Control in Aerospace Vehicles: PR: EML 4312C and EAS 3800C. Discrete control aspects of aerospace vehicles, digital controller, design, state-space representation. 2-transform, system response. Spring. M&S fee: $15.00

EAS 4505 ECS-MMAE 3(3,0)
Orbital Mechanics: PR: EGN 3321 and a “C” (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

EAS 4700C ECS-MMAE 3(1,6)
Aerospace Design I: PR: EAS 4200, EAS 3010, EAS 3800C; CR: EML 4312C, EAS 4991. Application of the design process to the team solution of a state-of-the-art problem. Airplanes and space vehicles, systems and devices are considered. Fall, Spring. M&S fee: $15.00

EAS 4710C ECS-MMAE 3(1,6)
Aerospace Design II: PR: EAS 4700, EAS 4991. Continuation of the design process in the team building and testing of a prototype model of an airplane spacecraft, system or device. Fall, Spring. M&S fee: $45.00

EAS 4901 ECS-MMAE 0(0,0)
Aerospace Career and Academic Faculty Advising II: PR: EAS 3900; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EAS 5123 ECS-MMAE 3(3,0)

EAS 5157 ECS-MMAE 3(3,0)

EAS 5302 ECS-MMAE 3(3,0)

EAS 5315 ECS-MMAE 3(3,0)

EAS 5407 ECS-MMAE 3(3,0)

EAS 5535 ECS-MMAE 3(3,0)
Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

EDB 3213 ED-CFCS 3(4,0)
ECO 4504C ECO-ECON  3(3,0)  Intermediate Microeconomics:  PR: ECO 2013, ECO 2023 and ECO 3411. The uses of microeconomics in providing insights into the interdependence between energy use, environmental quality, and the economy at both the micro- and macroeconomic levels. Fall, Spring.


ECO 3401 BA-ECON  3(3,0)  Quantitative Business Tools I: PR: ECO 2023, MAC 1140. Introduction to mathematical and statistical analysis of economics and business problems. Fall, Spring.

ECO 3410 BA-ECON  3(3,0)  Mathematical Economics: PR: ECO 3101. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. Spring.

ECO 3411 BA-ECON  4(3,0)  Quantitative Business Tools II: PR: Junior standing and business major or minor. ECO 13, ECO 2023, and ECO 3402. The use of statistical methods as scientific tools in the analysis of economics and business problems. Fall, Spring.

ECO 3411H BA-ECON  3(3,0)  Honors: Quantitative Business Tools II: PR: ECO 3401. permission of honors. Same as ECO 3411 with Honors level content. Occasional.

ECO 3703 BA-ECON  3(3,0)  International Trade: PR: ECO 2013 and ECO 2023. Fundamental principles of international trade and foreign exchange, including the balance of payments and problems of foreign economic policy. Fall.

ECO 3704 BA-ECON  3(3,0)  International Commercial Policy: PR: ECO 2013 and ECO 2023. Presents the fundamentals of international commercial policy, with special emphasis on U.S. trade policy since WW II. Spring.


ECO 4504 BA-ECON  3(3,0)  Econometrics: PR: ECO 2013, ECO 2023 and ECO 3411. Concepts and methods of developing, analyzing, and interpreting measures of economic activity, and business and economic change. Even Fall.

ECO 4451 BA-ECON  3(3,0)  Research Methods in Economics: PR: ECO 3101, ECO 3203 and ECO 3411. Skills in data collection and creation, data analysis, and research presentation. Fall, Spring.


ECO 4751 BA-ECON  3(3,0)  Law and Economics: PR: ECO 2013 and 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. Occasional.

ECO 4941 BA-ECON  3(3,0)  Economics Internship: PR: Consent of department chair. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded SU. Occasional.

ECO 5005 BA-ECON  3(3,0)  Economic Concepts: PR: Acceptance into the graduate program. Introduction to micro and macro economic analysis. Occasional.


ECP 3203 BA-ECON  3(3,0)  Labor Economics: PR: ECO 2013 and ECO 2023. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions. Occasional.


ECP 4302 BA-ECON  3(3,0)  Environmental and Natural Resource Economics: PR: ECO 2013 and ECO 2023 or CI. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the microeconomic and macroeconomic level. Odd Fall.

ECP 4403 BA-ECON  3(3,0)  Industrial Organization and Game Theory: PR: ECO 2013 and ECO 2023. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. Even Spring.

ECP 4703 BA-ECON  3(3,0)  Managerial Economics: PR: Junior standing, AGS 2711, ECO 2013, ECO 2023 and ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Open for non-majors ONLY. Spring.


EDC 3942 ETD-LP  3(3,0)  Internship: PR: EDG 4140, RED 3012, RED 4519, MAC 2801, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded SU. Fall, Spring.

EDE 4223 ETD-LP  3(3,0)  Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&S fee: $10.00
UCE Courses and Descriptions

EDE 4943  ED-TLP  7-12(0.35)  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.

EDE 4945  ED-TLP  1(1.0)  Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Culminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDE 1942  ED-ES  3(3.0)  Introduction to Educational Internship: Introduction to educational internship with selected partnership institutions. Occasional.

EDE 2005  ED-ES  3(3.0)  Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDE 2007  ED-ES  3(3.0)  Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EDE 2085  ED-ES  3(3.0)  Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDE 2130  ED-ES  3(3.0)  Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDE 2250  ED-ES  3(3.0)  Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDE 2720  ED-ES  3(3.0)  Children in Schools: Legal, Ethical and Safety Concerns: PR: EDE 2005, EDE 2085, EME 2040, or C.I. The role of education in children’s lives through the analysis of legal, ethical and safety concerns. Fall, Spring.

EDE 3120  ED-ES  3(3.0)  Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.


EDE 3601  ED-ES  3(3.0)  Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.


EDE 4214  ED-ES  3(3.0)  Classroom Learning Principles: PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EDE 4466  ED-ERTL  3(3.0)  Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.


EDE 4603  ED-ES  3(3.0)  Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2085, or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDE 4603H  ED-ES  3(3.0)  HON Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall.


EDE 5607  ED-ES  3(3.0)  Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005C  ED-ES  3(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-ES  3(3.0)  Teaching Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDG 4323  ED-ES  3(3.0)  Professional Teaching Practices: PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaptation of instruction for diverse student populations. Fall, Spring.

EDG 4410  ED-ES  3(3.0)  Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941  ED-ES  1-8(0.1-8)  Directed Field Experience: PR: Approval of Professional Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948  ED-ES  3(3.0)  Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.

EDG 5745  ED-TLP  3(3.0)  Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941  ED-ES  2-8(0.11)  Clinical Practice: PR: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDH 5306  ECS-MMME  1(1.0)  Teaching Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basic teaching pedagogy to help engineering students become better TA’s and help students deliver better technical presentations. Occasional.

EDS 5356  ED-TLP  3(2.1)  Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.


ECC 3700  ED-CFCS  3(3.0)  Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implications for curriculum development. Occasional.

ECC 3940  ED-CFCS  3(0.3)  Integration Internship I: PR: Senior Status; RED 4311 or RED 5310. Field based placement in which the students will have supervised practice integrating course content areas. Occasional.
UCEC Courses and Descriptions

**EEC 4207 ED-CFCS 3(3,0)**

**EEC 4266 ED-CFCS 3(3,0)**
Early Intervention: Provides an overview of developmental assessment, and intervention with at-risk and handicapped infants and toddlers. Occasional.

**EEC 4268 ED-CFCS 3(3,0)**

**EEC 4303 ED-CFCS 3(3,0)**
Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Education Program (PreK-3rd certification). Organization of instruction and methods for creative activities in a basic skills integrated PreK-3rd curriculum involving dance, music, theatre, visual arts, digital photography, literature and gaming. Fall, Spring.

**EEC 4402 ED-CFCS 3(3,0)**
Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

**EEC 4524 ED-CFCS 3(3,0)**
Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

**EEC 4528 ED-CFCS 3(3,0)**
Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.

**EEC 4604 ED-CFCS 3(3,0)**

**EEC 4661 ED-CFCS 3(3,0)**

**EEC 4731 ED-CFCS 3(3,0)**
Health, Safety, and Nutrition for Young Children: Health and safety issues in early childhood (0-8). Protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

**EEC 4936 ED-CFCS 2(2,0)**

**EEC 4943 ED-CFCS 12(0,12)**
Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

**EEC 5025 ED-CFCS 3(3,0)**
Programs and Trends in Early Childhood Education: PR: Regular Certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences. Occasional.

**EEC 5026 ED-CFCS 3(3,0)**
Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. Spring.

**EEC 5208 ED-CFCS 3(3,0)**

**EEC 3307C ECS-ECE 4(3,3)**
Electronics I: PR: EEL 3122C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee: $15.00

**EEC 3342C ECS-ECE 3(2,3)**
Digital Systems: PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049 or a “C” (2.0) or better grade and EEL 3801. Combinational and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee: $15.00

**EEC 3350 ECS-ECE 3(3,0)**
Semiconductor Devices I: PR: EEL 3004. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

**EEC 4314 ECS-ECE 3(3,0)**
Device Electronics for Integrated Circuits: PR: ECE 3350, P.N. Junctions. Bipolar and MOS devices, Circuit and device analysis. Fall, Spring. M&S fee: $15.00

**EEC 4463 ECS-ECE 3(3,0)**
MEMS Devices and Applications: PR: ECE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.

**EEC 5323C ECS-ECE 2(2,1)**
Thin Film Technology: PR: ECE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee: $30.00

**EEC 5352 ECS-ECE 3(3,0)**

**EEC 5353 ECS-ECE 3(3,0)**
Semiconductor Device Modeling and Simulation: PR: ECE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETS. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

**EEC 5356C ECS-ECE 4(3,3)**
Fabrication of Solid-State Devices: PR: ECE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, design and layout. Laboratory includes device processing technology. Fall, Spring. M&S fee: $45.00

**EEC 5370 ECS-ECE 3(3,0)**

**EEL 5378 ECS-ECE 3(3,0)**
CMOS Analog and Digital Circuit Design: PR: ECE 4309C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

**EEL 5390 ECS-ECE 3(3,0)**
Full-Custom VLSI Design: PR: ECE 3342C, ECE 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification. Spring.

**EEL 3004 ECS-ECE 3(3,0)**
Electronic Networks: PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049, CR: MAP 2302 (To enroll in this course, a C or better with a cumulative GPA of 2.7 or better for the above courses is required). Analysis and design of linear circuits, transients, ac analysis, power calculations, three-phase circuits, Laplace transform. Fall, Spring.

**EEL 3041 ECS-ECE 3(3,0)**
Circuit Analysis: PR: PHY 2053C. Study of electrical networks. Circuit analysis techniques are presented, including DC and AC steady state analysis. Power calculations, power distribution and dissipation are covered with examples relating to cables, connections, and buses. Not open to EE and Cpe majors. Fall, Spring.

**EEL 3123C ECS-ECE 4(3,1)**
Networks and Systems: PR: EEL 3004. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and z-transforms. Fall, Spring. M&S fee: $15.00

**EEL 3470 ECS-ECE 3(3,0)**

**EEL 3531 ECS-ECE 3(3,0)**

**EEL 3552C ECS-ECE 4(3,3)**
Analog and Digital Communication Fundamentals: PR: EEL 3123C. Fundamentals of AM and FM, Baseband pulse and digital signaling, Bandpass signaling, digital modulation and detection, and error probability of simple digital systems. Fall, Spring. M&S fee: $15.00

**EEL 3657 ECS-ECE 3(3,0)**
Linear Control Systems: PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.

**EEL 3801 ECS-ECE 3(3,0)**
UCF Courses and Descriptions

EEL 4050L ECS-ECE 1(0,3)  
EECS Integrated Laboratory: PR: EEL 352C, EEL 3657, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP processing of sound signals, transmitters and receivers based upon AM and FM, PIDs controller and feedback systems, and power conversion. Occasional.

EEL 4130 ECS-ECE 3(3,0)  

EEL 4140E ECS-ECE 4(3,3)  
Analog Filter Design: PR: EEL 3123C. Passive and active analog filter design. Fall. M&S fee: $15.00

EEL 4205 ECS-ECE 3(3,0)  

EEL 4216 ECS-ECE 3(3,0)  
Fundamentals of Electric Power Systems: PR: EEL 3004 or C.I. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436C ECS-ECE 4(3,3)  
Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee: $15.00

EEL 4440 ECS-ECE 3(3,0)  
Optical Engineering: PR: EEL 3470, 3525C or C.I. Lens systems, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. Spring.

EEL 4512C ECS-ECE 4(3,3)  
Communication Systems: PR: STA 3032, EEL 3525C and EEE 3307C. Information transmission, modulation, and noise; design and comparison systems in the presence of noise. Occasional. M&S fee: $15.00

EEL 4515C ECS-ECE 4(3,3)  

EEL 4518 ECS-ECE 3(3,0)  
Satellite Communications: PR: EEL 3525C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.

EEL 4612 ECS-ECE 3(3,0)  

EEL 4635C ECS-ECE 4(3,3)  
Computer Control Systems: PR: EEL 3657. Discrete-time systems, the z-transform, and single loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. Occasional. M&S fee: $15.00

EEL 4750 ECS-ECE 3(3,0)  

EEL 4767C ECS-ECE 4(3,3)  
Embedded Systems: PR: EEL 3342C. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall. Spring. M&S fee: $30.00

EEL 4768C ECS-ECE 4(3,3)  
Computer Architecture: PR: EEL 3801. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISC vs. CISC. Fall. Spring. M&S fee: $30.00

EEL 4781 ECS-ECE 3(3,0)  

EEL 4783 ECS-ECE 3(3,0)  
Hardware Description Languages in Digital Systems Design: PR: EEL 3342C. Hardware description languages simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional. M&S fee: $5.00

EEL 4791 ECS-ECE 3(2,4)  
Telemetry and Space Computer Systems: PR: EEL 3525C and EEL 3801C, EEL 3367, EEE 3307C. EEL 3470. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system "initial upper stages". Occasional.

EEL 4817H ECS-ECE 3(3,0)  
Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0)  
Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4832 ECS-ECE 3(3,0)  
Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EGG 3420. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. Fall, Spring.

EEL 4851C ECS-ECE 4(3,3)  
Engineering Data Structures: PR: EEL 3801C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Fall, Spring. M&S fee: $5.00

EEL 4882 ECS-ECE 3(3,0)  
Engineering Systems Software: PR: EEL 4851C and EEL 4767C. Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.

EEL 4884C ECS-ECE 4(3,3)  
Engineering Software Design: PR: EEL 4851C. Software systems development life-cycle, function and object-oriented methodologies, CASE, Analysis, design, and development of a large software project. Fall, Spring. M&S fee: $5.00

EEL 4890 ECS-ECE 3(3,0)  

EEL 4914 ECS-ECE 3(3,0)  
Senior Design I: PR: EEE 3307C, EEL 4767C, and consent of School of EECS. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall.

EEL 4915L ECS-ECE 3(0,3)  
Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering projects including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. Fall, Spring. M&S fee: $15.00

EEL 5173 ECS-ECE 3(3,0)  

EEL 5245C ECS-ECE 3(2,1)  
Power Electronics: PR: EEL 4309C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cycloconverters, applications. Fall.

EEL 5272 ECS-ECE 3(3,0)  
Biomedical Sensors: PR: EEL 4750 or EEL 4382 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEL 5432 ECS-ECE 3(3,0)  

EEL 5437C ECS-ECE 4(3,3)  
Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. Even Fall. M&S fee: $15.00

EEL 5439C ECS-ECE 3(2,1)  
RF and Microwave Communications: PR: EEL 4436C or equivalent. RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Occasional. M&S fee: $30.00

EEL 5462C ECS-ECE 3(3,1)  
Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall. M&S fee: $5.00

EEL 5482 ECS-ECE 3(3,0)  
Electromagnetic Theory II: PR: Graduate standing or C.I. Maxwell’s equations, boundary conditions, propagation and reflection, guided waves. Occasional.
UCF Courses and Descriptions

EEX 3102 ED-CFCS 3(3.0) Language Development and Communication Disorders: PR: Junior standing, interdisciplinary approach to language development, identification and remediation of communication and language disorders. Occasional.

EEX 3221 ED-CFCS 3(3.0) Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. Fall, Spring.


EEX 3243 ED-CFCS 3(3.1) Techniques for Exceptional Adolescents-Adults: CR: EEX 3241. A study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs. Spring.

EEX 3340 ED-CFCS 3(3.0) Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EEX 3754 ED-CFCS 3(3.0) Parents as Educators: Develop parental awareness of their role in child development and school success. Attention given to social context of parenting and parents as advocates for children. Occasional.


EEX 3942 ED-CFCS 3(3,1) Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. May be repeated for credit. Graded S/U. Occasional.

EEX 4051 ED-CFCS 3(3.0) Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall.

EEX 4052 ED-CFCS 3(3.0) Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning: developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

EEX 4570 ED-CFCS 3(3.0) Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EEM 3601 ECS-MMAE 3(3.0) Solid Mechanics: PR: EGN 2000 or EGN 2001. Fundamental concepts of mechanics, including results or C.I. EGN 2000 or EGN 2001. Must have completed at least two of the following with a grade of B or better: IDS 1040, GEB 1091, GEB 1092, or GEB 1093. Provides educational leadership experience in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. Occasional.


EEM 4601 ED-CFCS 3(3.0) Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. Fall, Spring.

EEX 4751 ED-CFCS 3(3.0) Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child’s education. Occasional.

EEX 4753 ED-CFCS 3(3.0) Parent/Professional Collaboration: The special educator’s role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.

EEX 4757 ED-CFCS 3(3.0) Respite Care: PR: Junior Standing or C.I. General knowledge and best practices in the field of temporary care: the nature and needs of care givers and care recipients, including special populations. Fall, Spring.

EEX 4763 ED-CFCS 3(3.0) Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012. LAE 4314. LAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EEX 4943 ED-CFCS 12(0,35) Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. May be repeated for credit. Graded S/U. Occasional.

EGN 2920C ECS-IEAMS 2(1,1) LEAD Colloquium: PR: C.I., LEAD Scholars Program. Must have completed at least two of the following with a grade of B or better: IDS 1040, GEB 1091, EGN 1007C and EGN 3060C. Computer Science majors take COP 3330, COP 3693, and COP 3760. Introduction to classical and modern topics in robotics, mechanisms and mechatronics, sensors, data processing, and vision, kinematics and dynamics, path and motion planning, control, AI and evolutionary computing, cooperative control and behaviors. Occasional.

EEX 5702 ED-CFCS 3(3.0) Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGN 3601 ECS-MMAE 3(3.0) Solid Mechanics: PR: EGN 3310 and C.I. “B” (2.0) or better in the following MAC 2311, MAC 2312, MAC 2313 and PHY 2048 CR: MAP 2302. Concepts of stress, strain, deflection, axial force, torsion, bending, combined stress, Mohr’s circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EGN 3601L ECS-MMAE 2(0,3) Solid Mechanics Lab: CR: EGN 3601. Solid Mechanics Laboratory experiments covering topics such as Tension compression testing, torsion testing, strain gage measurements, buckling testing, beam bending/deflection testing. Fall, Spring. M&S fee: $15.00

EEX 5051 ED-CFCS 3(3.0) Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall.

EEX 5750 ED-CFCS 3(3.0) Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.
EGN 3321 ECS-MMAE 3(3,0)
Engineering Analysis - Dynamics: PR: EGN 3310. CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EGN 3321H ECS-MMAE 3(3,0)
Engineering Analysis - Dynamics Honors: PR: Permission of Honors and EGN 3310. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EGN 3331 ECS-CEE 3(3,0)

EGN 3343 ECS-MMAE 3(3,0)

EGN 3343H ECS-MMAE 3(3,0)

EGN 3358 ECS-MMAE 3(3,0)

EGN 3365 ECS-MMAE 3(3,0)

EGN 3373 ECS-CEE 3(3,0)

EGN 3373H ECS-CEE 3(3,0)

EGN 3420 ECS-CEE 3(3,0)
Engineering Analysis: PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. Fall, Spring.

EGN 3613 ECS-EMS 2(2,0)

EGN 3843 ECS-EMS 3(3,0)
EIN 3354 ECS-IEMS  3(3,0)  
Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. Fall.

EIN 4191C ECS-IEMS  2(2,2)  
Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intrapersonal to interpersonal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-IEMS  2(2,2)  
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214 ECS-IEMS  3(3,0)  

EIN 4243C ECS-IEMS  3(2,2)  
Human Engineering: PR: EIN 3000 and Junior standing or C.I. Man-machine systems; design and conduct of human engineering studies. Spring. M&S fee: $20.00

EIN 4333C ECS-IEMS  3(2,3)  

EIN 4364C ECS-IEMS  3(2,2)  
Industrial Facilities Planning and Design: PR: EIN 3314C, EIN 3354 CR-EIN 4333C, EIN 4391C. Comprehensive design of industrial production systems, including inter-relationships of plant location, process design, and materials handling. Laboratory assignments. Spring. M&S fee: $20.00

EIN 4391C ECS-IEMS  3(2,3)  
Manufacturing Engineering: PR: CHM 2045C or CHS 1440 and Junior Standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall. Spring. M&S fee: $20.00

EIN 4450 ECS-IEMS  3(3,0)  
Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. Even Spring.

EIN 4516C ECS-IEMS  3(2,2)  
Systems Analysis and Design: PR: EIN 4346C. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. Fall. M&S fee: $20.00

EIN 4517 ECS-IEMS  3(3,0)  
Systems Engineering: PR: STA 2023 or STA 3022 and Senior Standing or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.

EIN 4545C ECS-IEMS  3(2,2)  
Industrial Engineering Applications in The Service Industries: PR: EIN 3314C, ESI 4312, ESI 4234 or C.I. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Even Fall.

EIN 4621C ECS-IEMS  3(2,2)  
Computer-Aided-Manufacturing: PR: EIN 4391C. Computer-Aided-Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). Occasional. M&S fee: $45.00

EIN 4891C ECS-IEMS  3(2,3)  
Industrial Engineering Senior Design Project: PR: EIN 4516C. Senior standing. Capstone design course; application of IEMS techniques to real-world design applications. Spring. M&S fee: $15.00

EIN 5108 ECS-IEMS  3(3,0)  
The Environment of Technical Organizations: PR: Graduate status or C.I. EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117 ECS-IEMS  3(3,0)  
Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140 ECS-IEMS  3(3,0)  
Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall. Spring.

EIN 5248C ECS-IEMS  3(2,2)  
Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall. M&S fee: $20.00

EIN 5251 ECS-IEMS  3(3,0)  
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Occasional.

EIN 5255C ECS-IEMS  3(2,2)  
Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. Fall. Spring.

EIN 5317 ECS-IEMS  3(3,0)  
Training System Design: PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Fall.

EIN 5346 ECS-IEMS  3(3,0)  
Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356 ECS-IEMS  3(2,0)  
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Spring.

EIN 5368C ECS-IEMS  3(2,2)  

EIN 5388 ECS-IEMS  3(3,0)  
Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

EIN 5392C ECS-IEMS  3(2,2)  
Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Even Spring. M&S fee: $20.00

EIN 5611C ECS-IEMS  3(2,2)  
Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4621C or EML 4535C; or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programming, machine and system control. Odd Spring. M&S fee: $45.00

EIN 5936 ECS-IEMS  1(1,0)  
Seminar in Industrial Engineering: Doctoral Research: PR: C.I. Essential topics for doctoral research including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interviewing, grants, and publishing. Fall.

ELD 4011 ED-CFCS  3(3,0)  
Intro to Specific Learning Disabilities: Nature and needs of students with learning disabilities to include history, theories, characteristics, definitions, assessments, issues, and application of effective teaching practices. Occasional.

ELD 4241 ED-CFCS  4(4,0)  

ELD 4242 ED-CFCS  3(3,0)  
Program Planning for Specific Learning Disabilities: PR: Senior standing. Development of highly specialized techniques, curriculum materials, to be used with students with special learning disabilities. Occasional.

EMA 1002 ECS-MMAE  3(3,0)  
Materials in Today’s World: A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today’s world with emphasis on modern developments and new materials. Occasional.

EMA 3000 ECS-MMAE  3(3,0)  

EMA 3012C ECS-MMAE  3(2,2)  
Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGM 3361. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.), Fall. Spring. M&S fee: $45.00

EMA 3014 ECS-MMAE  3(3,0)  
Nanomaterials Characterization and Applications: PR: EMA 3691. Microstructural and mechanical characterization of nanomaterials or nano-coatings, corrosion, magnetics, quantum dots for solar cells, materials for hydrogen economy, laboratory on material characterization. Occasional.

EMA 3124 ECS-MMAE  3(3,0)  
Design and Selection of Materials: PR: EGM 3601, and EGN 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691 ECS-MMAE  3(3,0)  
Nanomaterials Process Engineering: PR: CHS 1440 or CHM 2045C, and PHY 2048 or PHY 2053C. Nanomaterial synthesis, processing, nanomachining, nanocompositions, nanocomposites and computations of devices. Occasional.

Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3355 or EMA 3706; and a "C" (2.0) or better in all of the following: CHS 1440 or CHM 2045C, MAC 2311, MAC 2312, MAC 2313, MAP 2202 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.

Space Environment Technology: PR: MAC 2253, PHY 2053C. The space environment and how it affects manufacturing of space elements to withstand the harsh space environment. Occasional.


Surface Science: PR: PHY 2048 and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopics utilizing electron, ion and photon probes. Occasional.

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.


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.

Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques andoperation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.


Materials Science of Thin Films: PR: EMA 5106 or C.I. Designed to provide students with a basic understanding of thin film deposition, crystal growth. Occasional.

High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring. M&S fee: $1.00

Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

Applications of Technology in Education: Classroom applications of instructional media, including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

Fundamentals of Technology for Educators: PR: Post Bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

Technologies of Instruction and Information Management: PR: Acceptance into Ed Media Program or C.I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

Electronic Resources for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

Communication for Instructional Systems—Application: Applications of technology, communications theory, platform skills, and instructional design to the effective presentation of training programs and instruction. Occasional.


Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions, engineering bone and cartilage, soft-tissue replacements, total hip replacements; nanostructured biomaterials; imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.


Applications of technology, communications theory, platform skills, and instructional design to the effective presentation of training programs and instruction. Occasional.

Production Techniques for Instructional Settings: PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. Spring.
UCF Courses and Descriptions

EME 5225 ED-ERTL 3(3,0) Media for Children and Young Adults: PR: Acceptance into Ed Media Program or C.I. Survey of materials for children's and young adults informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. Spring.

EME 5810 ED-ERTL 1(1,0) Teaching and Learning with Technology: Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. Occasional.

EML 3001C ECS-MMAE 1(1,2) Machine Shop Practice: PR: EGN 1111C or C.I. Set up and operation of mill and lathe, cutting tools, holding devices, cutting speeds and feed rates. Measurement equipment. Hands-on experience. Occasional. M&S fee: $15.00


EML 3101 ECS-MMAE 3(3,0) Thermodynamics of Mechanical Systems: PR: EGN 3343 and a “C” (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. Fall.

EML 3262 ECS-MMAE 3(3,0) Kinematics of Mechanisms: PR: EGN 3321 and a “C” (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.


EML 3701 ECS-MMAE 3(3,0) Fluid Mechanics I: PR: EGN 3201, EGN 3343 and a “C” (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

EML 3990 ECS-MMAE 0(0,0) Mechanical Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.


EML 4024C ECS-MMAE 3(2,2) Engineering Design Practice: PR: EGM 3034C and EML 3500 or EAS 4200. Basic CADCAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring. M&S fee: $15.00


EML 4260 ECS-MMAE 3(3,0) Dynamics of Machinery: PR: EML 3262 and EML 4220. Critical speeds and response of flexible rotor systems, vibrational, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. Occasional.

EML 4264 ECS-MMAE 3(2,0) Vehicle Dynamics: PR: EML 3262 and EML 4220. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover. Occasional.

EML 4293 ECS-MMAE 3(3,0) Essentials of Miniature Engineering Systems: PR: Graduate status or C.I. Engineering of miniature mechanical, thermal, energy, and electrical systems, including advantages, microfabrication methods, and future trends. Occasional.

EML 4304C ECS-MMAE 2(1,3) Design of Thermo-Fluid Experiment: PR: EML 3303C, CR: EML 4142, EML 4220. Measurements and experiments in Thermo-Fluids systems with emphasis on project team activity. Spring. M&S fee: $45.00

EML 4312C ECS-MMAE 3(2,3) Feedback Control: PR: EGN 3321, MAP 2302, EGN 3373 and EML 4220 or EAS 4210C. Mathematical modeling of dynamic systems; transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. Fall.

EML 4411 ECS-MMAE 3(3,0) Mechanical Power Systems: PR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on steam plants utilizing both chemical and nuclear fuels. Occasional.

EML 4454 ECS-MMAE 3(3,0) Turbines for Sustainable Power: PR: EGN 3601, EGN 3343 or EMA 3065, EML 3701 or EAS 3011. CR: EML 4220 or EAS 4210. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technologies. Occasional.

EML 4501C ECS-MMAE 3(1,6) Engineering Design I: PR: EML 3500, EML 3701 and EML 3553C. CR: EML 4121C, EML 4991. Application of the design process in the team solution of a state-of-the-art problem. Aerospace, mechanical, thermo-fluid, or material problems are considered. Fall, Spring. M&S fee: $15.00

EML 4502C ECS-MMAE 3(1,6) Engineering Design II: PR: EML 4501C, EML 4991. Continuation of the design process in the team building and testing of a prototype. A final design and test report are completed. Fall, Spring. M&S fee: $45.00

EML 4535C ECS-MMAE 3(2,3) CADCAM: PR: EGN 3343, EML 304C, and EGM 3601; CR: EAS 4200 or EML 3500. CADCAM/FEM computational technology. Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. Fall, Spring. M&S fee: $15.00

EML 4600 ECS-MMAE 3(3,0) HVAC Systems Engineering: PR: EGN 3343; CR: EML 3701, EML 4302. Heating, ventilation, air-conditioning, and refrigeration principles and systems design. Aerodynamics, heating and cooling loads, equipment and components, and distribution systems. Fall.

EML 4602 ECS-MMAE 3(3,0) Applied HVAC Engineering: PR: EML 4600, CR: EML 4142. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation, and indoor air quality. Delamination performance of the various HVAC system types and their interactions with the building. Spring.

EML 4703 ECS-MMAE 3(3,0) Fluid Mechanics II: CR: EML 3701. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects. Fall.

EML 4804C ECS-MMAE 3(2,3) Digital Control in Mechantronics: PR: EML 4312C and EML 3303C. Discrete microprocessor control of mechatronics dynamic systems using state-space representation, digital controllers, design for mechatronic applications. Spring. M&S fee: $15.00

EML 4991 ECS-MMAE 0(0,0) Mechanical Career and Academic Faculty Advising II: PR: EML 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/advising. Graded S/U. Fall, Spring.

EML 5060 ECS-MMAE 3(3,0) Mathematical Methods in Mechanical, Materials and Aerospace Engineering: PR: MAP 2302. Vector field theory, generalized coordinates, complex variables, contour integration and Laplace and Fourier transforms and inversions, variable coefficient ODEs and solution of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics. Fall.


EML 5105 ECS-MMAE 3(3,0) Gas Kinetics and Statistical Thermodynamics: PR: EAS 4134 or EML 4170. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. Occasional.
ENC 3211H CAH-ENG 3(3,0)
Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102 or equivalent credit, and Consent of Honors. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. Occasional.

ENC 3241 CAH-ENG 3(3,0)
Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102 or equivalent credit, and Consent of Honors. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. Occasional.

ENC 3241H CAH-ENG 3(3,0)
Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102 or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of technical documents for the lay audience. With Honors content. Occasional.

ENC 3250 CAH-ENG 3(3,0)
Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student’s major. Major elements of professional writing with emphasis on composition of reports, proposals, letters, and memos. Fall, Spring.

ENC 3310 CAH-ENG 3(3,0)
Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, exposition, and argumentation; control of tone, mood, view, point, and level of diction. Applicable to article, essay, and short story writing. Fall, Spring.

ENC 3311 CAH-ENG 3(3,0)
Advanced Expository Writing: PR: Grade of C (2.0) or better required in ENC 1102. Practice of expository writing directed to general reader. Fall, Spring.

ENC 3905 CAH-ENG 3(3,0)
Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102 and C.I. Individualized topics of study and practice in writing with personalized faculty direction. May be repeated for credit. Occasional.

ENC 3942 CAH-ENG 3(3,0)
Journal Writing Practicum: PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 4215 CAH-ENG 3(3,0)
Technical Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing, word processing, automated text processing, methods of reproduction. Introduction of graphics; style, format, layout, and boardwork. Spring. M&S fee: $10.00

ENC 4218 CAH-ENG 3(3,0)
The Visual in Technical Documentation: PR: Grade of C (2.0) or better required in ENC 4293. Relevant theories of the visual and their application to technical communication practice. Fall. M&S fee: $10.00

ENC 4262 CAH-ENG 3(3,0)
International Technical Communication: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logistical challenges. Occasional.

ENC 4265 CAH-ENG 3(3,0)
Writing for the Computer Industry: PR: Grade of C (2.0) or better in ENC 1102 and junior standing, or C.I. Creating different kinds of software manuals or online help systems for the computer industry. Occasional.

ENC 4275 CAH-ENG 3(3,0)
Writing/Consulting: theory & practice: PR: C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. Occasional.

ENC 4280 CAH-ENG 3(3,0)
Technical Writing Style: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. Spring.

ENC 4290 CAH-ENG 3(3,0)
Usability Testing for Technical Communication: PR: Grade of C (2.0) or better required in ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. Occasional.

ENC 4293 CAH-ENG 3(3,0)
Documentation and the Collaborative Process: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4294 CAH-ENG 3(3,0)
Documentation and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215 Fall, Spring, M&S fee: $10.00.

ENC 4312 CAH-ENG 3(3,0)
Theory & Practice Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical and ethical appeals. Occasional.

ENC 4313 CAH-ENG 3(3,0)
Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4360 CAH-ENG 3(3,0)
Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.

ENC 4414 CAH-ENG 3(3,0)
Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hyper-text. 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. This online course explores the development of digital and rhetoric through a close reading and analysis of formative rhetorical texts, modern American fiction and films. Fall, Spring.

ENC 5216 CAH-ENG 3(3,0)
Editing Professional Writing: PR: Graduate status or senior standing or C.I. The study of major issues in editing, including levels of edit, grammar and mechanics, visuals, style, and the impact of technology. Fall, Spring.

ENC 5225 CAH-ENG 3(3,0)
Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Theories of and practice of how document usability is assessed and improved. Occasional.

ENC 5237 CAH-ENG 3(3,0)
Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5245 CAH-ENG 3(3,0)
Teaching Professional Writing: PR: Graduate status or senior standing or C.I. Teaches students to determine writing needs of professional discourse communities, analyze those needs, and design appropriate workplace writing programs to address those needs. Occasional.

ENC 5276 CAH-ENG 3(3,0)
Writing/Consulting: Theory and Practice: PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Occasional.

ENC 5291 CAH-ENG 3(3,0)
Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. Occasional.

ENC 5337 CAH-ENG 3(3,0)
Modern Rhetorical Theory: PR: Graduate status or senior standing or C.I. With special attention to the rhetoric-audience relationship, the course studies history and practice of modern rhetorical theory. Spring.

ENC 5705 CAH-ENG 3(2,1)
Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENC 5745 CAH-ENG 3(3,0)
Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester. GTA’s will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3,0)
Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal profession, as well as for general publication. Occasional.

ENG 3010 CAH-ENG 3(3,0)
Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. Occasional.

ENG 3014 CAH-ENG 3(3,0)
Theories and Techniques of Literature Study: PR: Junior standing, or C.I., and C (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.

ENG 3073 CAH-ENG 3(3,0)
Cultural Studies Literature: PR: Grade of C (2.0) or better required in ENC 1102. Theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce “cultural studies.” Occasional.

ENG 4114 CAH-ENG 3(3,0)
Literature and Film: PR: Grade of C (2.0) or better required in ENG 1104. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.
ENG 4614 CAH-ENG 3(3,0)

ENG 5009 CAH-ENG 3(3,0)
Methods of Bibliography and Research: PR: Graduate status or senior standing or C.I. Bibliographical, library and systematic approaches to research at the graduate level in language and literature. Fall.

ENG 5018 CAH-ENG 3(3,0)
Literary Criticism: PR: Graduate status or senior standing or C.I. Historical survey of major critics from classical antiquity to the modern era. Spring.

ENL 2012 CAH-ENG 3(3,0)
English Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Beowulf to 1798. Fall. Spring.

ENL 2022 CAH-ENG 3(3,0)
English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1798 to 1914. Fall, Spring.

ENL 3231 CAH-ENG 3(3,0)
Restoration Literature: PR: Grade of "C" or better in ENC 1102. This course surveys the poetry, drama, and prose written during the Restoration era (1660-1700) and the social, historical, and political contexts. Occasional.

ENL 3296 CAH-ENG 3(3,0)
Gothic Literature: PR: Grade of "C" or better required in ENC 1102. A study of Gothic literature (prose, poetry, drama) in the British Isles and its cultural contexts. Occasional.

ENL 3654 CAH-ENG 3(3,0)
Black British Literature: PR: Grade of "C" or better required in ENC 1102. Study of literature written inside the UK by authors of African, South Asian, and Caribbean lineage. Occasional.

ENL 3951 CAH-ENG 3(3,0)
Orlando Shakespeare Festival: PR: ENC 1102. Involvement in theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. Occasional.

ENL 3951H CAH-ENG 3(3,0)
Orlando Shakespeare Festival Honors: PR: ENC 1102 and permission of Honors. Honors theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. Occasional.

ENL 4101 CAH-ENG 3(3,0)
English Novel: PR: Grade of C (2.0) or better required in ENG 3014. Analysis of major English novelists. Occasional.

ENL 4220 CAH-ENG 3(3,0)
English Renaissance Poetry and Prose: PR: Grade of C (2.0) or better required in ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spencer, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. Occasional.

ENL 4230 CAH-ENG 3(3,0)
18th Century Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English: 1660-1880. May be repeated for credit. Occasional.

ENL 4240 CAH-ENG 3(3,0)
English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. Occasional.

ENL 4253 CAH-ENG 3(3,0)
The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossettis, and Emily Bronte. Occasional.

ENL 4262 CAH-ENG 3(3,0)
Nineteenth Century British Prose: PR: Grade of C (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. Occasional.

ENL 4273 CAH-ENG 3(3,0)
Modern British Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern British literature. Occasional.

ENL 4289 CAH-ENG 3(3,0)
Shakespeare Studies: PR: ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENL 4311 CAH-ENG 3(3,0)
Chaucer: PR: Grade of C (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Cressyde, and other works. Occasional.

ENL 4333 CAH-ENG 3(3,0)
Shakespeare Plays: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare's plays. May be repeated for credit. Occasional.

ENL 4341 CAH-ENG 3(3,0)
Milton and His Age: PR: Grade of C (2.0) or better required in ENG 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. Occasional.

ENL 5006 CAH-ENG 3(3,0)
British Literature: Medieval to Modern: PR: Graduate status or senior standing or C.I. Survey of British literature from beginnings to present, with instruction in the fundamentals of prose, poetry, and drama. Emphasis on Literature's social and historical contexts. Occasional.

ENL 5237 CAH-ENG 3(3,0)
Eighteenth Century Studies: PR: Graduate status or senior standing or C.I. Reading, analysis, and discussion of literature in English: 1660-1880. Occasional.

ENL 5250 CAH-ENG 3(3,0)
The Victorian Age: Poetry: PR: Graduate status or senior standing or C.I. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, Hardy, the Rossettis, Emily Bronte, and others. Occasional.

ENL 5256 CAH-ENG 3(3,0)
Victorian Literature: PR: Graduate status or senior standing or C.I. A study of the major prose works and selected poetry of British Victorian writers. Occasional.

ENL 5335 CAH-ENG 3(3,0)
Studies in Shakespeare: PR: Graduate status or senior standing or C.I. A selection of representative plays, with emphasis on Shakespeare's development as an artist: aesthetics of dramatic literature. Occasional.

ENL 5347 CAH-ENG 3(3,0)
The Age of Milton: PR: Graduate status or senior standing or C.I. Emphasis on the non-dramatic works of John Milton. Selections from the non-dramatic works of other 17th-century figures. Occasional.

ENV 3001 ECS-CEE 3(3,0)
Introduction to Environmental Engineering: PR: CHM 2046 and MAC 2312. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution. Fall, Spring.

ENV 4008C ECS-CEE 3(2,2)

ENV 4121C ECS-CEE 3(2,2)
Air Pollution Measurements Lab: Measurement of gaseous flow,okinetic sampling, and pollutant quantification. Emphasis is placed on EPA methods. Occasional. M&S fee: $30.00

ENV 4120 ECS-CEE 3(3,0)
Air Pollution Control: PR: ENG 3343, CWR 3201, and ENV 3001 with a grade of "C" (2.0) or better. Air resources management, engineering design, and operation of air pollution control systems. Fall.

ENV 4122C ECS-CEE 3(2,2)
Air Pollution Control Design: PR: ENV 4120. Project course on design of air pollution control equipment and systems. Spring. M&S fee: $15.00

ENV 4300C ECS-CEE 3(2,2)
Solid Waste Facility Design: PR: ENV 4341. Project course on design of a municipal solid waste landfill. Occasional. M&S fee: $15.00

ENV 4341 ECS-CEE 4(4,0)
Solid & Hazardous Waste Management: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 4432 ECS-CEE 3(3,0)
Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. Occasional.

ENV 4531 ECS-CEE 3(3,0)
Wastewater Treatment Processes: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of wastewater treatment facilities. May be repeated for credit. Occasional.

ENV 4561 ECS-CEE 4(4,0)

ENV 4562C ECS-CEE 3(2,2)
Environmental Engineering Systems Design: PR: ENV 4561, EES 4202C. Project course on design of water and wastewater treatment plants. Spring. M&S fee: $15.00

ENV 4563 ECS-CEE 3(3,0)

ENV 5071 ECS-CEE 3(3,0)

ENV 5116 ECS-CEE 3(2,3)
Air Pollution Monitoring: PR: C.I. Air Pollution sampling techniques, equipment, and monitor siting. Emphasis on theoretical and direct applications to air pollution monitoring. Occasional. M&S fee: $15.00
UCF Courses and Descriptions

ENV 5334 ECS-CEE 3(3,0)
Characterization of Hazardous Waste Sites: PR: CWRC 4102C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. Occasional.

ENV 5335 ECS-CEE 3(3,0)
Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5356 ECS-CEE 4(4,0)
Solid and Hazardous Waste Management: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 5410 ECS-CEE 3(3,0)
Drinking Water Treatment: PR: ENV 4561. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, N03, DBP3, SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. Occasional.

ENV 5505 ECS-CEE 3(3,0)

ENV 5517 ECS-CEE 3(3,0)
Engineering Chemical and Biological Processes: CR: ENV 4561 (or equivalent) or C.I. Coverage of equilibrium/chemical engineering, solid/solid, and solid/aqueous unit operations. Aquatic and micro-organism behavior as applied to activated sludge system design. Fall.

ENV 5636 ECS-CEE 3(3,0)
Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

EPI 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 3940 ED-TLP 3(3,0,0,16)

ESE 4942 ED-TLP 1(1,0)
Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.

ESE 4943 ED-TLP 7-12(0,3,0,35)

ESE 5214 ED-TLP 3(3,0)

ESI 4221 ECS-IEMS 3(3,0)

ESI 4234 ECS-IEMS 3(3,0)
Quality Engineering: PR: STA 3032. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. Fall.

ESI 4312 ECS-IEMS 3(3,0)
Operations Research: PR: STA 3032. Introduction to linear, non-linear, and dynamic programming. Decision analysis, random processes, and queuing. Course covers theory through application and implementation of results. Fall.

ESI 4321 ECS-IEMS 3(3,0)
Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. Even Fall.

ESI 4523C ECS-IEMS 3(2,3)
Systems Simulation: PR: STA 3032, EGN 3211 or high level programming language. Survey of simulation software and simulation languages used. Spring. M&S fee: $20.00

ESI 4628C ECS-IEMS 3(3,0)
Industrial Engineering Applications of Computers: PR: EGN 3211 or high level programming language. Survey of microcomputer methods in industrial engineering practice. Topics include: spreadsheets, databases, expert systems, and project management. Lab exercises. Fall. M&S fee: $20.00

ESI 5199 ECS-IEMS 3(3,0)
Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, non-parametric statistics and ANOVA. Fall, Spring.

ESI 5227 ECS-IEMS 3(3,0)
Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. Odd Fall.

ESI 5236 ECS-IEMS 3(3,0)
Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, maintainability, reliability standards (DO0), software reliability, reliability in design, and electronic systems reliability. Fall.

ESI 5306 ECS-IEMS 3(3,0)
Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions; linear programming, network models queueing theory, simulation, and nonlinear optimization techniques. Fall.

ESI 5359 ECS-IEMS 3(3,0)
Risk Assessment and Management: PR: ESI 5219 or STA 3032. Problems and complexities involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. Occasional.

ESI 5419C ECS-IEMS 3(2,2)
Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, network optimization and other engineering areas. Focuses on practical applications. Odd Fall. M&S fee: $45.00

ESI 5531 ECS-IEMS 3(3,0)
Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. Spring.

EST 3211 ECS-ENT 3(3,0)
Wave Photonics: PR: EST 3222 and EET majors. Wave properties of light, interaction with different media, and photonics technologies and systems based on wave nature of light. Spring.

EST 3213 ECS-ENT 3(3,0)
Photonics Simulation: PR: EST 3222. The behavior of light in standard optical systems consisting of both refractive and reflective light. Begin with general optics principles and end with system design. Not open to Physics majors or minors. Fall.

EST 3222 ECS-ENT 3(3,0)
Photonics Technology: PR: PHY 2053C, PHY 2054C, MAP 3401, MAC 3212, and MAC 2253 or MAC 3211. Course will introduce engineering technology students to the field of photonics. Light properties, optics, lasers, systems. Fall.

EST 3543C ECS-ENT 3(2,2)
Programmable Logic Applications and Device Integration: PR: MAC 2115, EET 3085C, or equivalent. Builds on knowledge of logic fundamentals programming technologies, integrated circuits, and number systems to operate and test systems using programmable logic protocol. Fall, Spring.

EST 4225 ECS-ENT 3(3,0)
Manufacturing of Photonics: PR: EST 3222. Manufacturing processes and practices of photonic devices and systems. Tolerance studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photonics manufacturing. Fall.

EST 4227 ECS-ENT 3(3,0)
Photonic Sensors and Devices: PR: EST 3213, EST 3211. How light is converted to electrons to incorporate an electronic system. Standard means of detecting light such as photodiodes and charge-coupled devices will be covered. Spring.

EST 4236 ECS-ENT 3(3,0)

EST 4256 ECS-ENT 3(3,0)
Photonics Communication: PR: EST 4227, EST 4236. The use of light as media for transmission of information. Modulation techniques, light transmission through different mediums, and detection and demodulation. Spring.

EST 4502C ECS-ENT 4(3,2)
Metrology and Instrumentation: PR: ETEG 3541, EET 3085C, or equivalent. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring. M&S fee: $10.00
ETC 4206 ECS-ENT  3(3,0)  Construction Estimating: PR: MAC 1114, EGN 1111C or equivalent & ETC 4241C. Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are utilized. Spring.

ETC 4241C ECS-ENT  3(2,2)  Construction Materials and Methods: CR: ETG 3541. Construction principles, details, materials and methods used as related to the construction of buildings. Fall.

ETC 4242 ECS-ENT  3(3,0)  Construction Contracts and Specifications: The role of construction contracts, architectural specifications, product specifications, industry standards and building codes in the process of construction building. Spring.


ETD 3350C ECS-ENT  3(2,2)  Applied CADD: PR: Junior Standing. This course in computer-aided drafting/design provides the student with the opportunity to approach detailed and intricate drafting/design problems from a computer perspective. Fall.

ETG 3533C ECS-ENT  4(3,2)  Applied Engineering Strength of Materials: PR: MAC 1114, MAC 1114, EET 3085, PHY 2053C, junior standing; CR: MAC 2253 or MAC 2311. Relationship between external forces and action of members of a structure. Topics include stress, shear, moment, deflections, columns, connections, and Mohr’s circle. May be repeated for credit. Spring. M&S fee: $15.00.

ETG 3541C ECS-ENT  3(3,0)  Applied Mechanics: PR: MAC 1106 and MAC 1114 and PHY 2053C or equivalent. Coglanar, parallel, concurrent, and non-current force systems. Centroids, CG’s, moments of inertia. Principles of dynamics, rectilinear motion and rotation, work, energy, power, impulse, momentum, and impact. Fall, Spring.

ETG 4950C ECS-ENT  3(1,4)  Senior Design Project: PR: Senior Standing Engineering Technology major and must be within 18 hour of graduation. Supervised individual or group projects involving project definition, planning, development, testing, and evaluation. Fall, Spring.

ETG 5518 ECS-ENT  3(3,0)  Applied Research Methods: PR: Graduate standing or C.I. Broad overview of applied research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports. Fall.


ETI 3418C ECS-ENT  3(2,2)  Computer Numerical Controls - Machining Applications: PR: ETI 3550C. Theory of methods and concepts for machining, computer numerical control programs, types of operations, cutting tools, machine tool, and electrical discharge machines. May be repeated for credit. Occasional.

ETI 3421 ECS-ENT  3(3,0)  Materials and Processes: PR: MAC 1105 and MAC 1114 or equivalent; Chemistry. A study of fundamental properties of materials. Current industrial practices in founding, forming, joining and shaping processes. Fall.

ETI 3651C ECS-ENT  3(2,2)  Computer Applications: PR: MAC 1105, and Junior standing. Standard engineering software packages found in most companies, institutions, and organizations to solve engineering problems. Fall, Spring.


ETI 3690 ECS-ENT  3(3,0)  Technical Sales: PR: Junior standing or C.I. Application of technical knowledge to sales and service. Relationship of technical sales organization to production, customers, and competitors. Even Spring.

ETI 4150 ECS-ENT  3(3,0)  Spacecraft Quality Assurance And Testing: PR: PHY 2053C. Quality assurance, reliability, and testing of space hardware and software; with the examination of designing, manufacturing, testing, and operation. Occasional.

ETI 4186 ECS-ENT  3(3,0)  Applied Reliability: PR: ETI 3116. Practical application of probability concepts and analysis applicable to the design, production and logistics phases of systems and system components. Odd Spring.

ETI 4205 ECS-ENT  3(3,0)  Applied Logistics: PR: ETI 3116 or C.I. Introduction to logistics. Emphasis on practical applications. Includes systems engineering, cost systems effectiveness, reliability, maintainability, system functional analysis, logistic support analysis, life cycle cost analysis. Fall.

ETI 4381 ECS-ENT  3(3,0)  Ground System Design: PR: PHY 2053C. Fundamentals of ground system design and operation, its architecture and technology. Cost and performance trade offs in the spacecraft-to-ground communications link and ground system design. Occasional.

ETI 4382C ECS-ENT  3(1,4)  Launch Processing Technology: PR: or CR: ETI 4150 or C.I. Processes and methods in the preparation, integration, and launch of a space payload and launch vehicle. Includes hands-on launch processing activities in a laboratory environment. Occasional.

ETI 4448 ECS-ENT  3(3,0)  Applied Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Spring.


ETI 4635 ECS-ENT  3(3,0)  Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling; production, sales, and service. Fall, Spring.

ETI 4640 ECS-ENT  3(3,0)  Operations Management for Technologists: PR: ETI 4635. Scheduling techniques (PERT, CPM). are presented. Time Study Methods, Work Sampling and MTM are covered. Fall.

ETI 4661C ECS-ENT  3(2,2)  Applied Facilities Planning and Design: PR: ETI 3421, engineering drawing and senior standing. The design of manufacturing facilities and material handling systems. Occasional.


ETI 4835 ECS-ENT  3(3,0)  Rocket Propulsion Technology: PR: PHY 2053C, Calculus I, II, CAD. Principles of propellants; solid, liquid and hybrid rocket stages; specific impulse computations; fuel and thrust computations; nose cone, and nozzle designs; ignition mechanisms. Fall.

ETI 4836 ECS-ENT  3(3,0)  Space Systems Technology: PR: PHY 2053C. Applied space technology, design of space systems, space environment, flight dynamics, atmospheric drag, power supply, communications technology. May be repeated for credit. Fall.

ETI 4837C ECS-ENT  3(2,2)  Technology of Small Space Payloads: PR: ETI 4836 and high level programming lang. Principles of technology in the design of small rocket and microsatellite payloads; power requirements; telemetry requirements of data transmission; thermal control; shock and vibration tests. Occasional. M&S fee: $34.60.

ETI 4838 ECS-ENT  3(3,0)  Flight Dynamics Technology: PR: PHY 2053C, Calculus I, II, CAD, Engineering aspects of current electro-optics and laser-optics technology in theory and application, including design, system integration, system alignment, system calibration, and testing. Occasional.

ETI 4839 ECS-ENT  3(3,0)  Space Electro-Optics Technology: PR: PHY 2053C, Calculus I, II, CAD. Optical trajectory design, analysis of current electro-optics and laser-optics technology in theory and application, including design, system integration, system alignment, system calibration, and testing. Occasional.


ETM 4231C ECS-ENT  3(4,3)  Applied Heat Transfer: PR: ETG 3541 or equivalent, MAC 2253 or MAC 2311. An introduction to the basic concepts and applications of conduction, convection and radiation heat transfer. Basic energy balances and their applications are emphasized. Study state and transient phenomena are evaluated, including numerical solutions. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Instructor(s)</th>
<th>Notes</th>
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<tbody>
<tr>
<td>EUH 2000</td>
<td>Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.</td>
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<tr>
<td>EUH 2001</td>
<td>Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUH 2000. Fall, Spring.</td>
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<tr>
<td>EUH 3124</td>
<td>The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of &quot;just war&quot; and jihad. Even Spring.</td>
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<tr>
<td>EUH 3142</td>
<td>Renaissance and Reformation: PR: EUH 2000 and 2001 or C.I. Influence of Renaissance humanism on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years' War. Occasional.</td>
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<td>EUH 3235</td>
<td>Romanticism and Realism: PR: EUH 2000 and 2001 or C.I. Napoleon and nationalism; new ideas; conservation; liberalism, romanticism, republicanism and socialism; urbanization, technology and mass culture; religious decline; Realpolitik, racism, imperialism, and militarism. Occasional.</td>
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<tr>
<td>EUH 3242</td>
<td>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.</td>
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<td>EUH 3281</td>
<td>Second World War and Rebirth of Europe: PR: EUH 2000 and 2001 or C.I. Origins of World War II; Hitler's &quot;New Order,&quot; and resistance movements; Cold War, de-Stalinization of Russia; Sovietization of East Central Europe; Western reconstruction, and prosperity. Occasional.</td>
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<tr>
<td>EUH 3315</td>
<td>History of Modern Spain: PR: Modern European History (18th-20th century). The evolution of Modern Spain through its key institutions, cultural as well as social movements, and impact of political and intellectual trends, 1700-Present. Occasional.</td>
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<tr>
<td>EUH 3431</td>
<td>History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-World War II era. Occasional.</td>
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<tr>
<td>EUH 3431H</td>
<td>Honors History of Modern Italy: PR: EUH 2001 and consent of Honors. The history of modern Italy from the origins of national unification through the post-World War II era, with honors content. Occasional.</td>
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<tr>
<td>EUH 3451</td>
<td>History of Modern France: PR: EUH 2001, EUH 3242 or C.I. The course traces the evolution of France through the study of French political development, institutional development, social movements, and international roles from 1700-present. Occasional.</td>
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<tr>
<td>EUH 3651</td>
<td>War and Society: Evolution of weapons, tactics, strategy; role, social status, recruitment of soldiers; influence of military on government; and international efforts to preserve peace. Occasional.</td>
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<tr>
<td>EUH 4465</td>
<td>Hitler's Third Reich: PR: EUH 2000 and 2001 or C.I. German nationalism and militarism; World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery. Occasional.</td>
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<tr>
<td>EUH 4571</td>
<td>History of Russia to 1801: PR: EUH 2000 and 2001 or C.I. Kievan State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Role of Orthodox Church. Occasional.</td>
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<td>EUH 4574</td>
<td>History of Russia: 1801-1917: PR: EUH 2000 and 2001 or C.I. Alexander I; Napoleonic Invasion; Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. Occasional.</td>
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<td>EUH 4582</td>
<td>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.</td>
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<tr>
<td>EUH 4610</td>
<td>Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. Occasional.</td>
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<tr>
<td>EUH 4610H</td>
<td>Honors Women in European Society: PR: C.I. 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.</td>
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<tr>
<td>EUH 4620</td>
<td>European Great Powers: 1815-1914: PR: EUH 2000 and 2001 or C.I. Congress of Vienna, Metternich's system of European unifications of Italy, Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. Occasional.</td>
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EUH 4674H CAH-HIST 3(3,0) Honors Sports & Society in the Ancient World: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to comparing the Original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EUH 5247 CAH-HIST 3(3,0) Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history from 1919 and 1939. Occasional.

EUH 5285 CAH-HIST 3(3,0) Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. Occasional.

EUH 5371 CAH-HIST 3(3,0) Colloquium in Spanish History: PR: Graduate status or senior standing of C.I. Reading and class discussion of the literature on selected topics in Spanish history. Occasional.

EUH 5415 CAH-HIST 3(3,0) Colloquium in Russian History: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual “triumph” within the Roman Empire. Occasional.

EUH 5459 CAH-HIST 3(3,0) Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. Occasional.

EUH 5546 CAH-HIST 3(3,0) Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British history. There is no standard syllabus because content is different from each offering. May be repeated for credit only when course content is different. Occasional.

EUH 5579 CAH-HIST 3(3,0) Colloquium: Soviet Russia: PR: Graduate status or senior standing of C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. Occasional.

EUH 5585 CAH-HIST 3(3,0) Colloquium: Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EUH 5608 CAH-HIST 3(3,0) Colloquium European Intellectual History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history. Occasional.

EVR 5930 COS-BIOL 1(1,0) Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.

EVT 3062 ED-TLP 3(3,0) Professional Role of the Vocational Teacher: PR: EVT 3371 or C.I. Occasional.

EVT 3312 ED-TLP 3(3,0) Course Construction in Health Occupations Education: PR: EVT 3385 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

EVT 3365 ED-TLP 3(3,0) General Methods/Testing Evaluation in Vocational Education: General teaching methods, testing and evaluation. Techniques specific to Vocational Education and Industry Training. Odd Fall.

EVT 3367 ED-TLP 3(3,0) Evaluation of Vocational Instruction: PR: EVT 3371 or C.I. Study, practice, and achievement of competency in assessing student cognitive, affective, and psychomotor performance in vocational education. Spring.

EVT 3371 ED-TLP 3(3,0) Course Construction in Industrial Education: PR: EVT 3385 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education labora-
tory, and involvement in VICA. Occasional.

EVT 3502 ED-TLP 3(3,0) Special Needs of Vocational Students: PR: EVT 3385 or C.I. Achievement of teacher competency in meeting the special needs of the handicapped, culturally different, slower learner, those with basic skill deficiencies, and those in non-traditional programs. Spring.

EVT 4065 ED-TLP 3(3,0) Principles and Practices of Technical Education: PR: EVT 3385 or C.I. Integrating historical principles, career structure, and current trends in technical education. Fall.

EVT 4169 ED-TLP 3(3,0) Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. Spring.

EVT 4368 ED-TLP 3(3,0) Cooperative Programs in Vocational Education: PR: EVT 3385 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation of instruc-
tional effectiveness. Fall.

EVT 4815 ED-ERTL 3(3,0) Safety in the Technical Education Classroom and Laboratory: PR: EVT 3385 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. Occasional.

EVT 5260 ED-TLP 2-4(2,4) Cooperative Programs in Vocational Education: PR: EVT 3385 or C.I. Significant competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

EVT 5266 ED-TLP 2-4(2,4) Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

EVT 5561 ED-TLP 2-3(2,3,0) Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.

EXP 3204C COS-PSYCH 3(3,0) Perception: PR: PSY 2012. PSY 3213C. Consideration of physical and psychological variables in perceptual phenomena. Lecture/Lab. Fall.


EXP 4507C COS-PSYCH 3(1,4) Advanced Human Memory and Cognition: PR: PSY 3213C, EXP 3604C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&S fee: $15.00

EXP 5208 COS-PSYCH 3(3,0) Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0) Human Factors and Aging: PR: Graduate standing, post bacc, 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 II: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0) Psychology of Learning and Motivation: PR: DEP 5057, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1000 CAH-FILM 3(3,0) Cinema Survey: Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

FIL 1000H CAH-FILM 3(3,0) Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-FILM 3(3,0) Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 1008 CAH-FILM 3(3,0) Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M&S fee: $5.00
UCF Courses and Descriptions

FIL 1009 CAH-FILM 3(3,0)
Cinematic Expression for Majors: PR: Film BFA or World Cinema major, and FIL 1100 or FIL 1007. Analysis and practice of aesthetic principles essential in film-making, including composition, moving graphics, image design, and lighting styles. Spring.

FIL 1100 CAH-FILM 3(3,0)
Foundations of Story for Majors: PR: Film BFA or World Cinema major. Analysis of dramatic and cinematic narrative structures, both plot and character, from a historical and cultural perspective. Occasional.

FIL 1424 CAH-FILM 3(3,0)
Film Production Tools: Basic tools of filmmaking, including digital video cameras, 16 mm cameras, basic lighting equipment, non-linear editing equipment, sound recording and mixing, laboratory processing, and digital post-production. Occasional.

FIL 2030 CAH-FILM 3(2,2)
History of Motion Pictures: The history of motion pictures as art and industry; from 1895 to the present. Fall. Spring. M&S fee: $0.00

FIL 2107 CAH-FILM 3(3,0)
Script Analysis: PR: PR or CR: ENC 1101, and FIL 1007 or FIL 1100. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional film-making and screenwriting. Fall. Spring.

FIL 2423 CAH-FILM 3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2461 CAH-FILM 3(3,0)
Cinematography I: PR: FIL 2274C and FIL 2480. Concepts and tools of cinematography and lighting. Fall. M&S fee: $5.00

FIL 2480 CAH-FILM 3(3,0)
Directing for Film I: PR: FIL 1007 or FIL 1100, FIL 1009, FIL 3115, and FIL 3427C. Introduction to processes and techniques of film directing. Spring.

FIL 2481 CAH-FILM 3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-FILM 3(3,2)
Editing I: PR: Film Major, FIL 1008, FIL 3115, FIL 3427C. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&S fee: $5.00

FIL 3006 CAH-FILM 3(3,0)
Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall, Spring. M&S fee: $5.00

FIL 3035C CAH-FILM 3(3,1)
Film Histories II: PR: FIL 2030. Surveys and questions historical approaches to film and seeks to open up the field of historical inquiry to a variety of views. Fall.

FIL 3036 CAH-FILM 3(3,0)
Film History I: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3037 CAH-FILM 3(3,0)
Film History II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3041 CAH-FILM 3(3,0)
History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.

FIL 3051 CAH-FILM 3(3,0)

FIL 3070C CAH-FILM 3(3,1)
Cinema in the 1820s: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3071C CAH-FILM 3(3,1)
Cinema in the 1930s: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3072C CAH-FILM 3(3,1)
Cinema in the 1940s and 1950s: PR: FIL 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-FILM 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-FILM 3(3,1)
Cinema 1890s to the Present: PR: FIL 3035C. Films from the 1890s and onward as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3075C CAH-FILM 3(3,1)
Film and Modernism I: PR: FIL 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 3076C CAH-FILM 3(3,1)
Film and Modernism II: PR: FIL 3035C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

FIL 3102 CAH-FILM 3(3,0)
Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007 or FIL 1100. Theories and process of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring.

FIL 3106C CAH-FILM 3(2,3)
Introduction to Scriptwriting: PR: Film majors only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.

FIL 3115 CAH-FILM 3(3,0)
Short Script I: PR: FIL 2107 and Film BFA or World Cinema major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.

FIL 3132 CAH-FILM 3(3,0)
Short Script II: PR: FIL 3115 and Film BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone I and 2 courses. Spring.

FIL 3304C CAH-FILM 3(1,3)
Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-FILM 3(3,0)
Docudrama: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. Occasional.

FIL 3363C CAH-FILM 3(3,1)
Film Documentary: PR: FIL 3363C and FIL 3945, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional. M&S fee: $5.00

FIL 3379C CAH-FILM 3(3,6)
Advanced Documentary Production: PR: FIL 3363C and FIL 3945, or C.I. Introduction to processes and principles of advanced documentary production to capture on-going reality based situations. Occasional. M&S fee: $5.00

FIL 3427C CAH-FILM 3(2,4)
Introduction to Film Production: PR: PR or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall. M&S fee: $45.00

FIL 3455C CAH-FILM 3(6,2,4)
Film Landscapes: Story, Image and Production Design: PR: FIL 2423 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. Occasional.

FIL 3462C CAH-FILM 3(3,1)
Cinematic Expression: PR: FIL 3363C. Cinematography using video format: study of fundamentals of motion-picture communication, film structure and storytelling. Spring.

FIL 3483 CAH-FILM 3(3,0)
Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.

FIL 3492C CAH-FILM 3(3,1)
Performance in Film: PR: FIL 3035C. Study of the different traditions and forms of acting in film. Occasional.

FIL 3534 CAH-FILM 3(3,0)
Sound Design for Film I: PR: Film BFA, World Cinema or Digital Media major. Technical and aesthetics aspects of production and post-production sound recording, editing, and mixing for film. Fall.

FIL 3581 CAH-FILM 3(0,3)
Film Production Technology Workshop: PR: Restricted to Film majors. Demonstrations and hands-on equipment workshops to understand and operate the tools of the film-making process. May be repeated for credit. Occasional.

FIL 3720C CAH-ART 3(2,4)
Introduction to Animation: PR: Animation majors only, and a satisfactory portfolio review or C.I. Introduction to computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall, Spring. M&S fee: $45.00

FIL 3734C CAH-ART 3(2,4)
Intermediate Animation: PR: Animation majors only, FIL 3720C, and a satisfactory portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. Even Fall, Spring. M&S fee: $45.00
UCF Courses and Descriptions

FIL 3803C CAH-FILM 3(3,1)
Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War Period. Fall. M&S fee: $10.00

FIL 3804C CAH-FILM 3(3,1)
Film Theory and Criticism II: PR: FIL 3803C. Major film theories from Second World War period to present. Spring. M&S fee: $10.00

FIL 3811 CAH-FILM 3(3,0)
Advanced Story Structure Research: PR: FIL 3115 and Film BFA or World Cinema major. Early and contemporary theories of story structure. Identification of divergent ideas without dilution, development of new language, and recogni-
tion of patterns in complex systems. Occasional.

FIL 3812C CAH-FILM 3(3,1)
Film Theories and Practices: PR: PHI 2010 (Introduction to Philosophy). Concentration on the film theories of film-
makers in relation to their work and to the cinema generally. Spring.

FIL 3820 CAH-LANG 3(3,0)
Italian Film: This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. Occasional.

FIL 3822 CAH-LANG 3(3,0)
French Film: The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economic, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.

FIL 3823 CAH-LANG 3(3,0)
German Film: PR: C.I. Exploration of the form and content of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. Occasional.

FIL 3824 CAH-FILM 3(3,0)
Italian Neo-Realist Cinema: PR: FIL 3038 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.

FIL 3826 CAH-FILM 3(3,0)
American Cinema: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.

FIL 3831 CAH-FILM 3(4,0)
Black Cinema: PR: Junior standing and ENC 1102. Independent black film movements: theory, aesthetics and criticism of African-American, African-Canadian and African-
Caribbean cinema. Fall.

FIL 3841 CAH-FILM 3(3,0)
French New Wave Cinema: PR: FIL 3038 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Resnais, Bresson, Godard, Rohmer, Resnais, and Rivette. Occasional.

FIL 3842 CAH-FILM 3(3,0)
International Cinema: PR: PR or CR: FIL 3038 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Post-World War II period of the international cin-
ema, with emphasis on the cinemas of Europe and Asia. Occasional.

FIL 3845 CAH-FILM 3(3,0)
World Cinema Traditions: PR: PR or CR: FIL 3038 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.

FIL 3847 CAH-FILM 3(3,0)
Latin American Cinema: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3850 CAH-FILM 3(3,0)
Cinema Directors: PR: FIL 3830 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. Occasional.

FIL 3852 CAH-FILM 3(3,0)
Cinema Criticism Writing: PR: FIL 3038 or FIL 3037 and ENC 1102, FIL 2030, FIL 3036. Modes of cinema criticism. Occasional.

FIL 3860C CAH-FILM 3(3,1)
The Shot, Framing, Point of View: PR: FIL 3035C. Approaches to the shot, framing and point of view. Occasional.

FIL 3861C CAH-FILM 3(3,1)

FIL 3862C CAH-FILM 3(3,1)
Narrative Structures in Film: PR: LIT 2110 and LIT 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.

FIL 3865C CAH-FILM 3(3,1)

FIL 3870C CAH-FILM 3(3,1)

FIL 3871 CAH-FILM 3(3,0)
The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaking’s style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. Fall. M&S fee: $5.00

FIL 3876C CAH-FILM 3(3,1)
Experimental Cinema I: PR: FIL 3075C. A notion of cin-
ematics as an expansion of possibilities organized around for-
mal, material, and conceptual aspects of film. Fall, Spring.

FIL 3877C CAH-FILM 3(3,1)
Experimental Cinema II: PR: FIL 3876C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Spring.

FIL 3878C CAH-FILM 3(3,1)
Color and Lighting in Cinema: PR: FIL 3035C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

FIL 3880C CAH-FILM 3(3,1)
Images of Women in Film: PR: FIL 2030. Images of women in film and how these images are shaped and struc-
tured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall, Spring.

FIL 3922 CAH-FILM 1(1,1)
Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is taught taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall, Spring.

FIL 4040 CAH-DIG 3(3,0)

FIL 4042 CAH-FILM 3(3,0)

FIL 4057C CAH-FILM 3(3,1)
Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

FIL 4103 CAH-FILM 3(3,0)
Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adapta-
tions. Occasional.

FIL 4113C CAH-FILM 3(2,3)
Interactive Writing I: PR: Junior Standing, Film major, FIL 3115 or Digital Media major. Writing workshop for experi-
enced screenwriters; cold readings, preparing calling card script, marketing scripts and funding sources. Occasional.

FIL 4114C CAH-FILM 3(3,2)
Interactive Writing II: PR: Film major and FIL 4113C. Advanced writing and development of short interactive nar-
atives as well as examination of non-traditional structures as applied to interactive writing. Occasional.

FIL 4126C CAH-FILM 3(2,2)
Genre Writing: PR: Film major, FIL 3035C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. Occasional.

FIL 4162C CAH-FILM 3(2,3)
Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies minor, or FIL 3115, or C.I. Writing workshop, examination of mythic story-
telling, and ethics of screenwriting. Fall.

FIL 4163C CAH-FILM 3(2,3)
Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader’s coverage. Spring.

FIL 4301C CAH-FILM 3(1,3)
Documentary Workshop I: PR: FIL 3364C or C.I. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall.

FIL 4302C CAH-FILM 3(1,3)
Documentary Workshop II: PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Spring.

FIL 4303C CAH-FILM 3(3,1)
Film Fiction and the Document: PR: LIT 2110, FIL 3075C, and FIL 3076C. Study of the shifting boundary between fiction and documentary in film and in the other arts at the core of which is the notion of the document. Fall.

FIL 4428 CAH-FILM 3(3,0)
Episodic Production: PR: Film or Animation Majors. Episodic film production techniques. Occasional.

FIL 4433C CAH-FILM 3(2,4)
Intermediate Film Production: PR: Film major, FIL 3427C. Advanced exploration of the aesthetic and technical facets of filmmaking. Occasional. M&S fee: $45.00

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>FIL 4434C</td>
<td>CAH-FILM</td>
<td>3(2,4)</td>
<td>Capstone I: PR: FIL 3132 and Film BFA or World Cinema major. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Fall. M&amp;S fee: $10.00</td>
</tr>
<tr>
<td>FIL 4436</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Film Thesis/Film Production: PR: Junior standing and FIL 1008 or FIL 1009, or C.I. Non-narrative filmmaking demonstrating the dynamic interplay between producing, viewing, reading and writing about images. Odd Spring.</td>
</tr>
<tr>
<td>FIL 4451</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. Fall.</td>
</tr>
<tr>
<td>FIL 4453C</td>
<td>CAH-FILM</td>
<td>4(3,2)</td>
<td>Special Problems in Film Design: PR: FIL 2423 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. Occasional. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4472C</td>
<td>CAH-FILM</td>
<td>3(2,4)</td>
<td>Cinematography II: PR: Film major, FIL 3427C, FIL 2461. Advanced principles and practices of cinematography. Spring. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4486C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Directing for Film II: PR: FIL 2480. Principles and practice in directing narrative and/or documentary motion pictures. Fall. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4487</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Directing for Film III: PR: FIL 4486C. Advanced process and techniques of film directing. Spring. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4535C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Sound Design for Film II: PR: FIL 3534. An understanding of how production mixers bring the film director's vision to the screen. Spring.</td>
</tr>
<tr>
<td>FIL 4536</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Sound Design II: CAH-FILM 3(3,0). Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.</td>
</tr>
<tr>
<td>FIL 4554C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Non-Linear Editing: PR: Film major and FIL 3427C. Provides basic working knowledge of AVID editing system, to edit assigned projects, give basic understanding of editorial styles and techniques in film storytelling. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>FIL 4566C</td>
<td>CAH-FILM</td>
<td>3(3,2)</td>
<td>Editing II: PR: FIL 2274C. Theory, techniques and practices in picture editing. Fall. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4573C</td>
<td>CAH-FILM</td>
<td>3(1,3)</td>
<td>Capstone II: PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4602</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Film Business: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry who deals with issues relating to the organization and production of motion pictures. Spring.</td>
</tr>
<tr>
<td>FIL 4647</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Film Production Management: PR: FIL 3427C or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.</td>
</tr>
<tr>
<td>FIL 4661</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>The Film Producer: PR: FIL 2423 of FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of theatrical film. Spring.</td>
</tr>
<tr>
<td>FIL 4735C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
<td>Advanced Animation: PR: Animation majors only, FIL 3720C, FIL 3734C, and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. Fall, Odd Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>FIL 4740C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Film and Digitalization: PR: FIL 3055C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.</td>
</tr>
<tr>
<td>FIL 4750C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
<td>Animation Workshop: PR: Animation majors only, FIL 3720C, FIL 3734C, and FIL 4735C, and a satisfactory portfolio review or C.I. A production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>FIL 4808</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Images and Text in Context: PR: FIL 2030 or C.I. Moving images, the still image, and text in their cultural contexts. Occasional.</td>
</tr>
<tr>
<td>FIL 4830</td>
<td>CAH-FILM</td>
<td>3(2,2)</td>
<td>Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Even Fall. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>FIL 4863C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Film in Film and Culture: PR: 3075C and 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and disjunctures. The course is theoretical with practical exercises. Fall.</td>
</tr>
<tr>
<td>FIL 4934C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Current Problems in Film and Culture: PR: FIL 3055C. Concentration on the most recent work in film studies concerned with film in relation to cultural issues. Occasional.</td>
</tr>
<tr>
<td>FIL 4935C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Current Problems in Film Theory: PR: FIL 3055C. Concentration on the most recent work in film studies concerned with film theory. Occasional.</td>
</tr>
<tr>
<td>FIL 4939C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Current Problems in Film History: PR: FIL 3055C. Concentration on the most recent work in film studies concerned with film history. Occasional.</td>
</tr>
<tr>
<td>FIL 5165</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Visual Storytelling: PR: Admission to Film and Digital Media master's program or C.I. Traditional forms of visual storytelling range from storytelling to classic structural paradigms for feature film scripts. Fall.</td>
</tr>
<tr>
<td>FIL 5414</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Film Vision, Scope &amp; Financing: PR: Acceptance to the MFA Film &amp; Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture. Spring.</td>
</tr>
<tr>
<td>FIL 5419</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Developing the Film Screenplay: PR: Admission to MFA Film &amp; Digital Media-Entre Dig Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.</td>
</tr>
<tr>
<td>FIL 5612</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documents and the Internet. Fall.</td>
</tr>
<tr>
<td>FIL 5800</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.</td>
</tr>
<tr>
<td>FIL 5853</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Independent Cinematic Forms: PR: Admission to MFA Film &amp; Digital Media/Entrepreneurial 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.</td>
</tr>
<tr>
<td>FIL 5864</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film and Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking.</td>
</tr>
<tr>
<td>FIL 5924</td>
<td>CAH-FILM</td>
<td>1(1,0)</td>
<td>Graduate Seminar: PR: Admission to MFA Film &amp; Digital Media/Entrepreneur Digital Cinema track, or C.I. A concentrated study of advanced research methods with a focus on the study and production of film and new media. Spring.</td>
</tr>
<tr>
<td>FIN 2100</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.</td>
</tr>
<tr>
<td>FIN 3303</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Financial Markets: PR: FIN 3403C, open to majors or minors which require this course. In-depth study of the fundamentals of short and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>BA-FIN</td>
<td>4(3,1)</td>
<td>Business Finance: PR: Junior standing and ACG 2021, ACG 2071, ECO 2013 and ECO 2023. 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.</td>
</tr>
<tr>
<td>FIN 3403H</td>
<td>BA-FIN</td>
<td>4(4,0)</td>
<td>Business Finance - Honors: PR: Junior standing, ACG 2021, ACG 2071 and ECO 2023. Open to University honors students and other students participating in the honors program. Same as FIN 3403C with honors level content. Occasional.</td>
</tr>
<tr>
<td>FIN 3414</td>
<td>BA-FIN</td>
<td>3(3,0)</td>
<td>Intermediate Corporate Finance: PR: FIN 3403C, open to majors or minors which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.</td>
</tr>
</tbody>
</table>
FIN 3504  BA-FIN  3(3,0)
Investment Analysis: PR: FIN 3403C; open to majors or minors which require this course. A survey of investments, including asset markets, investment management, and environment. Principles of asset valuation in efficient markets. Fall, Spring.

FIN 4313  BA-FIN  3(3,0)
Management of Financial Institutions: PR: FIN 3303, 3403; open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

FIN 4424  BA-FIN  3(3,0)
Advanced Topics in Financial Management: PR: FIN 3414; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4453  BA-FIN  3(3,0)
Financial Models: PR: FIN 3403C, FIN 3414, and FIN 3504; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4514  BA-FIN  3(3,0)
Portfolio Analysis and Management: PR: PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533  BA-FIN  3(3,0)
Financial Derivatives: PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C  BA-FIN  4(3,1)
Applied Portfolio Management 1: PR: Finance major, FIN 4560C, and CI. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of Equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C  BA-FIN  4(3,1)
Applied Portfolio Management 2: PR: Finance major, FIN 4560C, and CI. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

FIN 4604  BA-FIN  3(3,0)
International Financial Management: PR: FIN 3403C; open to majors or minors which require this course. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730  BA-FIN  3(3,0)

FIN 4731  BA-FIN  3(3,0)
Senior Financial Consulting II: PR: Finance major, FIN 4730. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FIN 4911  BA-FIN  3(3,0)
Employment: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160  ED-TLP  3(3,0)
Education and Culture/Language Diversity: PR: Admission to major, overall GPA of 3.0, MLA in major, and CI. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language diversity. Occasional.

FLE 4290  ED-TLP  2(2,0)
Technology in the Foreign Language Classroom: PR: EME 2040, EDG 4323. Applications of technology in the foreign language classroom including uses of the Web, e-mail, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit. Occasional.

FLE 4314  ED-TLP  3(3,0)
Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333  ED-TLP  3(3,0)
Foreign Language Teaching in the Secondary School: PR: EDG 4323, proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5331  ED-TLP  3(3,0)
Foreign Language Methods at the Secondary Level: PR: CI, EDG 4323, or EDG 6236, or classroom teaching experience, and fluency in the target language and English. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335  ED-TLP  3(3,0)
Foreign Language Methods at the Elementary Level: PR: CI, or FLE 4560 or FLE 4570, EDG 4323 or EDG 6236, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. Occasional.

FLE 5870  CAH-LANG  3(3,0)
Methods of Teaching Foreign Languages: PR: Graduate status or senior standing or CI. This course introduces prominent theories and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels. Occasional.

FLE 5875  CAH-LANG  3(3,0)
Computer Application in Teaching Foreign Languages: PR: Graduate status or senior standing or CI. Survey, analysis, and evaluation of computer software and Internet materials for teaching foreign languages. Occasional.

FOL 3730  CAH-LANG  3(3,0)
Romance Philology: The study of the major Romance Languages and their origins as they developed from Classical and Medieval Latin to their linguistic influences such as Arabic and Provencal. Occasional.

FRE 1120C  CAH-LANG  4(3,1)
Elementary French Language and Civilization I: PR: FLE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 1121C  CAH-LANG  4(3,1)
Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200  CAH-LANG  3(3,1)
Intermediate French Language and Civilization I: PR: FRE 2200 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2201  CAH-LANG  3(3,1)
Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 2240  CAH-LANG  3(3,0)
Intensive French Conversation: PR: One year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

FRE 2270  CAH-LANG  8(16,10)

FRE 3300  CAH-LANG  3(3,0)
French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. Fall.

FRE 3410  CAH-LANG  3(3,0)
Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420  CAH-LANG  3(3,0)
French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423  CAH-LANG  3(3,0)
Advanced French Grammar Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440  CAH-LANG  3(3,0)

FRE 3441  CAH-LANG  3(3,0)

FRE 3760  CAH-LANG  3(3,0)
Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in dictation and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Spring.
<table>
<thead>
<tr>
<th>UCF Courses and Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3780 CAH-LANG 3(3,0) French Phonetics and Diction: French phonology, with emphasis on phonetic groupings. Spring.</td>
</tr>
<tr>
<td>FRE 3954 CAH-LANG 6(6,0) Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>FRE 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. Fall.</td>
</tr>
<tr>
<td>FRE 4422 CAH-LANG 3(3,0) Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.</td>
</tr>
<tr>
<td>FRE 4471 CAH-LANG 6(6,0) Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>FRE 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.</td>
</tr>
<tr>
<td>FRE 4782 CAH-LANG 2(2,0) Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.</td>
</tr>
<tr>
<td>FRT 4552 CAH-LANG 3(3,0) Structural Analysis of Beckett’s Watt: PR: ENC 1102. An intense study of textual criticism and explications and linguistic analysis of literature with the primary focus on the novel. Course will be taught in English. Occasional.</td>
</tr>
<tr>
<td>FRW 3100 CAH-LANG 3(3,0) 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>
</tr>
<tr>
<td>FRW 3101 CAH-LANG 3(3,0) Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.</td>
</tr>
<tr>
<td>FRW 3370 CAH-LANG 3(3,0) Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.</td>
</tr>
<tr>
<td>FRW 3740 CAH-LANG 3(3,0) The French Literature of Canada: PR: FRE 2201 or equivalent. A survey of the French literature of Canada from the late 19th century to the present, with particular emphasis on the novel and short story. Occasional.</td>
</tr>
<tr>
<td>FRW 3752 CAH-LANG 3(3,0) French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.</td>
</tr>
<tr>
<td>FRW 3770 CAH-LANG 3(3,0) Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.</td>
</tr>
<tr>
<td>FRW 4281 CAH-LANG 3(3,0) 20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckett, Butor, Camus, Mauriac, Malraux and Sartre. Occasional.</td>
</tr>
<tr>
<td>FRW 4310 CAH-LANG 3(3,0) Seventeenth Century French Theatre: PR: FRW 3100. Corneille, Racine, and Molière. A study of the lives and principal works of the authors. Occasional.</td>
</tr>
<tr>
<td>FRW 4324 CAH-LANG 3(3,0) 20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Cixous, Ionesco, and Sartre; different literary approaches will also be used. Occasional.</td>
</tr>
<tr>
<td>FRW 4440 CAH-LANG 3(3,0) French Literature of the Eighteenth Century: PR: FRW 3100. The philosophical movement: Montesquieu, Voltaire, Diderot, Buffon. Odd Fall.</td>
</tr>
<tr>
<td>FRW 4820 CAH-LANG 3(3,0) Stylistics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.</td>
</tr>
<tr>
<td>FSS 2221C RCHM-HOS 3(3,1) Quantity Food Preparation: PR: FSS 2221C and HFT 3263. The preparation of food in the context of the U.S. business system and the role it plays in a global economy. Fall, Spring.</td>
</tr>
<tr>
<td>GEB 1091C BA-BUS 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.</td>
</tr>
<tr>
<td>GEB 2350 BA-MAR 3(3,0) Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.</td>
</tr>
<tr>
<td>GEB 3031 BA-MAN 4(4,0) The Cornerstone Course: PR: Junior standing and business major or minor, ACG 2071, ECO 2013, ECO 2023, and GSS 2103. An orientation to opportunities and challenges facing managers in contemporary business organizations. Odd Fall, Spring.</td>
</tr>
<tr>
<td>GEB 3113 BA-MAN 3(3,0) How to Start a Business: PR: Sophomore Standing, ECO 2013. Provides background and tools necessary to understand and participate in the entrepreneurial process within a large company, new venture, or growing a small business. Occasional.</td>
</tr>
<tr>
<td>GEB 3375 BA-FIN 4(4,0) Introduction to International Business: PR: Junior standing and ACG 2071, ECO 2013 and ECO 2023. Understanding the interdependence of globalized world economies and similarities between domestic and international business domains. Fall, Spring.</td>
</tr>
<tr>
<td>GEB 3375H BA-FIN 4(4,0) Introdução to International Business - Honors: PR: Junior standing and ACG 2071, ECO 2013 and ECO 2023. Understanding the interdependence of globalized world economies and similarities between domestic and international business domains. Same as GEB 3375 with honors level credit. Occasional.</td>
</tr>
<tr>
<td>GEB 4110 BA-MAN 3(3,0) Business Plan Preparation: PR: MAN 4802, GEB 4111. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.</td>
</tr>
<tr>
<td>GEB 4111 BA-MAN 3(3,0) New Venture Finance: PR: MAN 4802 or GEB 3113. Provides hands-on processes for developing financial information necessary such as budgets and pro forma financial statements to start up a new venture. Odd Fall, Even Spring.</td>
</tr>
<tr>
<td>GEB 4152 BA-MAN 3(3,0) Technological Entrepreneurship: PR: MAN 4802 or GEB 3113. Creating business ventures based on novel intellectual property and technological innovation. It addresses licensing, venture formation, and strategic alliances as potential strategies. Occasional.</td>
</tr>
</tbody>
</table>
GEB 4361 BA-FIN 3(3,0) 

GEB 4363 BA-FIN 3(3,0) 
Export and Import Management: PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. Occasional.

GEB 4374 BA-FIN 3(3,0) 
International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. Occasional.

GEB 5516 BA-MAN 3(3,0) 
Technological Entrepreneurship: PR: Graduate standing. Focus of the course is on identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial and strategic aspects of technology transfer and development. Occasional.

GEB 5941 BA-BUS 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 ECS-CEE 3(3,0) 
Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

GEO 2370 EAS-CEE 3(3,0) 
Resources Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

GEO 3471 COS-POLS 3(3,0) 
World Political Geography: Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1120C CAH-LANG 4(3,1) 
Elementary German Language and Civilization I: 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 1120H CAH-LANG 4(4,1) 
Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1121C CAH-LANG 4(3,1) 
Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

GER 1121H CAH-LANG 4(4,1) 
Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.

GER 2200 CAH-LANG 3(3,1) 
Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

GER 2201 CAH-LANG 3(3,1) 
Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

GER 2210 CAH-LANG 3(3,0) 
Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

GER 2220 CAH-LANG 3(3,0) 
German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

GER 2220H CAH-LANG 3(3,0) 
Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

GER 2211 CAH-LANG 2(2,0) 
Modern German Civilization 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 2327 CAH-LANG 2(2,0) 
Modern German Civilization 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 3320 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 dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.

GER 3780 CAH-LANG 3(3,0) 
German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. Occasional.

GER 4422 CAH-LANG 3(3,0) 
Advanced German Grammar: PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4510 CAH-LANG 3(3,0) 
Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520 CAH-LANG 3(3,0) 
Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

GEW 3100 CAH-LANG 3(3,0) 
Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

GEW 3101 CAH-LANG 3(3,0) 
Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

GEW 3370 CAH-LANG 3(3,0) 
Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.

GEW 3480 CAH-LANG 3(3,0) 
German Post-War Literature: PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.

GEW 4482 CAH-LANG 3(3,0) 
German Children's Literature: PR: GER 2200. A look into the history of German children's literature with a concentration on works after World War II. Occasional.

GEW 4531 CAH-LANG 3(3,0) 
The Age of Goethe and Schiller: PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. Occasional.

GEY 3001 HPA-SOWK 3(3,0) 
Gerontology: An Interdisciplinary Overview: PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.

GEY 3326H COS-PSYCH 3(3,0) 
Honors Images of Aging: PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors content. Occasional.

GEY 5007 CON-NURS 3(3,0) 
Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEY 5600 ED-TLP 3(3,0) 
Phyiology of Aging: PR: BSC 2010C or PCB 3703C or PET 4510C 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: CGIS 1003C and BSC 2003C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. Odd Fall.
GIS 4035C ECS-CHEM 3(2,2) Remote Sensing of the Environment: PR: GEO 1200 or C.I. Interpretation and application of remote sensor imagery to physical, economic, and urban analysis. Occasional.

GIS 4301C UGST-INTERDISC 4(2,2) Advanced GIS Applications in Environmental Studies: PR: GIS 2043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-Acost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

GLY 1030 COS-CHEM 3(3,0) Geology and its Applications: Geologic principles, applications, and hazards including: gemstones, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

GRA 2101C CAH-Art 3(2,4) Introduction to Computer Art: PR: ART 2300 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring. M&S fee: $15.00.

GRA 2101H CAH-Art 3(2,4) Honors Introduction to Computer Art: PR: ART 2300 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors content. Occasional. M&S fee: $15.00.

GRA 2111C CAH-Art 3(2,4) Graphic Design I: PR: ART 2010C. Basic principles, concepts, and techniques in graphic design and art for visual publication. Occasional. M&S fee: $15.00.


GRA 3100C CAH-Art 3(2,4) Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Methods related to studio projects in graphic design. Fall. M&S fee: $15.00.

GRA 3112C CAH-Art 3(2,4) Intermediate Graphic Design II: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. Spring. M&S fee: $45.00.

GRA 3113C CAH-Art 3(2,4) Type & Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. Fall, C.W. Spring. M&S fee: $15.00.


GRA 4119C CAH-Art 3(2,4) Packaging Design and Display Systems: PR: Acceptance in Graphic Design Concentration and GRA 3100C. The visual concepts of packaging design and display systems. Exploration of materials, structures, function and semantic aspects of the packaging industry. Occasional.

GRA 4154C CAH-Art 3(2,4) Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 3115C, and a satisfactory portfolio review or C.I. Illustration problems involving the use of advanced level techniques in illustration media. May be repeated for credit. Occasional. M&S fee: $45.00.

GRA 4196C CAH-Art 3(2,4) Advanced Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 3151C or ART 3332C, and a satisfactory portfolio review, or C.I. Practical studio problems, with emphasis on organization of visual design elements. Fall. M&S fee: $45.00.

GRA 4197C CAH-Art 3(2,4) Special Problems in Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 416C, GRA 3151C or ART 3332C, GRA 4154C or ART 2300C, and a satisfactory portfolio review or C.I. Advanced problems in visual design and reproduction. May be repeated for credit. Spring. M&S fee: $15.00.


GRE 1120H CAH-Lang 4(4,0) Elementary Greek Language and Civilization I: PR: Permission of Honors. Introduces students to Classical Greek literature and civilization through the study of grammar and syntax and extensive readings of Greek texts. Occasional.


GRE 2220H CAH-Lang 4(4,0) Introduction to Greek Literature: PR: GRE 1121H and permission of Honors. Readings in selected original Greek texts, e.g., Plato's apology. May be repeated for credit. Occasional.

HAI 1120 CAH-Jud 4(4,0) Elementary Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading and writing. Fall, Spring.


HBR 1120 CAH-Jud 4(4,0) Elementary Modern Hebrew Language and Culture I: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.

HBR 1121 CAH-Jud 3(3,0) Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew; increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. Occasional.

HBR 1122 CAH-Jud 3(3,0) Intermediate Modern Hebrew II: PR: HBR 2200. Further development of modern Hebrew language skills in listening, speaking, reading, and writing. Occasional.


HBR 3410 CAH-Jud 3(3,0) Conversational Israeli Hebrew: PR: HBR 1120, HBR 2200 or equivalent. CI. Study and practice of contemporary conversational Israeli Hebrew. Occasional.

HFT 1000 RCHM-HSP SERV 3(3,0) Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 1350 RCHM-TEA 3(3,0) Career & Promotional Development in Golf: PR: HFT 3357. The developmental sequence of golf programs for juniors, women, and seniors, in the golf industry. Occasional.

HFT 1356 RCHM-TEA 3(3,0) Concepts and Practices of Golf Associations: PR: Admission to Professional Golf Management Program; CR HFT 1000. Philosophies and ideals of the Professional Golfers Association of America and the importance of the rules of golf as related to rules decisions. Fall.

HFT 2220 RCHM-HSP SERV 3(3,0) Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-HOS 3(3,0) Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.


HFT 2401 RCHM-HSP SERV 3(3,0) Hospitality Industry Financial Accounting: Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs. Fall, Spring.

HFT 2500 RCHM-HSP SERV 3(3,0) Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. Fall, Spring.

HFT 2750 RCHM-TEA 3(3,0) The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. Fall, Spring.
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HFT 3263 RCHM-HOS 3(3,0) Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or C.I. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

HFT 3273 RCHM-HOS 3(3,0) Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.


HFT 3323 RCHM-HSP SERV 3(3,0) Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353 RCHM-TEA 3(3,0) Golf Planning & Operations I: PR: HFT 2359. Customer relations, costs, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

HFT 3354 RCHM-TEA 3(3,0) Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3355 RCHM-TEA 3(3,0) Golf Planning & Operations II: PR: HFT 3353. Merchandising and inventory control, golf swing philosophy and leadership models. Occasional.

HFT 3357 RCHM-TEA 3(3,0) Golf Event Operations: PR: HFT 3356; HFT 1000; HFT 2500. Develop, plan, and organize golf tournaments of all types. Occasional.

HFT 3374 RCHM-TEA 3(3,0) Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition. Occasional.

HFT 3384 RCHM-TEA 3(3,0) Golf and Club Enterprises Management: PR: HFT 1000 and FSS 2212C. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. Occasional.

HFT 3431 RCHM-HSP SERV 3(3,0) Hospitality industry Managerial Accounting: PR: HFT 2401 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. Fall, Spring.

HFT 3443 RCHM-TEA 3(3,0) Event Technology: PR: HFT 1000 and HFT 2750, or C.I. Use of technology in the event to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.

HFT 3444 RCHM-HSP SERV 3(3,0) Hospitality Information Systems: PR: CGS 2100C, HFT 2254, and HFT 3263; or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 3512 RCHM-TEA 3(3,0) Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.

HFT 3515 RCHM-HOS 3(3,0) Reservations Sales & Marketing: PR: HFT 1000, HFT 2500 or C.I. Provides insight to all aspects of planning, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.

HFT 3517 RCHM-TEA 3(3,0) Convention and Conference Sales: PR: HFT 2750, HFT 2500 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.

HFT 3540 RCHM-HSP SERV 3(3,0) Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.


HFT 3603 RCHM-HSP SERV 3(3,0) Legal Environment in the Hospitality and Tourism Industry: PR: C.I. Principles of law as related to the Hospitality/Tourism Industry. Fall, Spring.

HFT 3610 RCHM-HOS 3(3,0) Law and Restaurant Management: PR: HFT 3603 and HFT 3263. Emphasis on regulatory, case and administrative law. Compliance, prevention, and remedial actions are stressed. Occasional.

HFT 3615 RCHM-HOS 3(3,0) Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.

HFT 3670 RCHM-TEA 3(3,0) Hospitality and Event Risk Management: PR: HFT 1000 and HFT 2750; or C.I. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Occasional.

HFT 3700 RCHM-TEA 3(3,0) Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

HFT 3741 RCHM-TEA 3(3,0) Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall.

HFT 3770 RCHM-TEA 3(3,0) Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. Occasional.

HFT 3784 RCHM-TEA 3(3,0) Amusement Technology: PR: HFT 1000 HFT 4755. Exploration of various technologies utilized by the leisure-based entertainment industry. Includes amusement devices, operational and IT software packages as well as ride and show systems. Spring.

HFT 3785 RCHM-TEA 3(3,0) Management of Gaming Enterprises: PR: Junior level standing, an in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.

HFT 3792 RCHM-TEA 3(3,0) Event Design and Production: PR: HFT 1000, HFT 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

HFT 3798 RCHM-TEA 3(3,0) Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.

HFT 3807 RCHM-HOS 3(3,0) Multi-Unit Food Service Operations: PR: HFT 3263 and FSS 2212C. Guest lecture series covering contemporary issues in the various segments of the foodservice industry. Odd Spring.

HFT 3834 RCHM-HSP SERV 3(3,0) Topics in Restaurant and Foodservice Management: PR: HFT 1000 and FSS 2212C. Topic is related to the hospitality industry. Odd Spring.

HFT 3868 RCHM-HOS 3(3,0) History and Culture of Wine: PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Fall, Spring. M&S fee: $45.00

HFT 3933 RCHM-RCHM 1(1,0) Distinguished Lectures in Hospitality Management: PR: HFT 1000. Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. Fall, Spring.

HFT 3949 RCHM-RCHM 0-5(0,1-5) Cooperative Education: Provides paid, pre-professional work experience related to the students’ major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HFT 4250C RCHM-HOS 3(3,1) Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

HFT 4253 RCHM-HOS 3(3,0) Hotel Operations: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Reconciles conflicts between theory and practice in a real life hotel. Spring.

HFT 4265 RCHM-HOS 3(3,0) Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266 RCHM-HOS 3(3,0) Restaurant Brand Management: PR: HFT 3262 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4268 RCHM-HOS 3(3,0) Case Studies in Restaurant Management: PR: HFT 3263 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4269 RCHM-HOS 3(3,0) Case Studies in Multi-Unit Restaurant Management: PR: HFT 3263. Application of case study methodology to advanced topics in chain or multi-unit restaurant and food service operations. Occasional.

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HFT 4274 RCHM-HOS  3(3,0)
Vacation Ownership Resort Management: PR: HFT 1000, HFT 3273, HFT 4522 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the management of vacation resorts. Occasional.

HFT 4275 RCHM-HOS  3(3,0)
Development of Vacation Ownership Resorts: PR: HFT 3273 and HFT 4473 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of vacation resorts. Occasional.

HFT 4277 RCHM-TEA  3(3,0)
Yacht, Country, And Club Management: PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and Club properties. Emphasis will be placed on operational aspects. Fall.

HFT 4281 RCHM-HOS  3(3,0)
Restaurant Leadership Strategies and Tactics: PR: Hospitality Management Core and Restaurant Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives. Fall, Spring.

HFT 4284 RCHM-HOS  3(3,0)
Training and Employee Performance in the Foodservice Industry: PR: HFT 2220; HFT 3540; HFT 4266; HFT 4268; HFT 4343; HFT 4347. Teaching and training methodologies relative to the service positions in a restaura

HFT 4286 RCHM-HSP SERV  3(3,0)
Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presenta
tions, conflict resolution, and report writing. Emphasis on inter departmental dependence by managers in hospitality businesses in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4295 RCHM-HSP SERV  3(3,0)
Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4298 RCHM-HSP SERV  3(3,0)
Hospitality Business Consulting: PR: HFT 1000 and junior standing or C.I. A systematic approach to Hospitality Management. Students apply their cumulative knowledge in an active learning environment in a small hospitality opera
tion. Occasional.

HFT 4343 RCHM-HSP SERV  3(3,0)
Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2254 and junior standing or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.

HFT 4358 RCHM-TEA  3(3,0)

HFT 4375 RCHM-TEA  3(3,0)
Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show registration, floor management and disman
tling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4413 RCHM-HSP SERV  3(3,0)
Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4425 RCHM-HSP SERV  3(3,0)

HFT 4432 RCHM-HSP SERV  3(3,0)
Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides basic fundamen
tals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4442 RCHM-HOS  3(3,0)
Vacation Ownership Reservations and Database Systems: PR: HFT 1000, HFT 3273, HFT 4522, HFT 4274 or C.I. Tactics and strategies necessary for owner exchange, information transmittal, and financial reporting. Occasional.

HFT 4457 RCHM-HSP SERV  3(3,0)
Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even Spring.

HFT 4464 RCHM-HOS  3(3,0)
Hospitality Industry Finance, PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Odd Fall, Odd Spring.

HFT 4473 RCHM-HSP SERV  3(3,0)
Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operation, finan
cial, and marketing aspects of analyses for hotel develop
ment projects. Occasional.

HFT 4522 RCHM-HOS  3(3,0)
Vacation Ownership Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 3273 or C.I. Sales tactics and corporate strategies employed in the sales and market
ing of vacation ownership properties. Occasional.

HFT 4532 RCHM-TEA  3(3,0)
Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 4755 and junior stand
ing or C.I. Review of methodological operation, communi
cation, legal compliance, and retention in the theme parks and attraction industry. Fall.

HFT 4561 RCHM-TEA  3(3,0)
Destination Marketing: PR: HFT 2500 and HFT 3700. Development of destination-oriented marketing goals and strategies with an emphasis on integrated destination mar

HFT 4614 RCHM-TEA  3(3,0)
Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3803; or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4645 RCHM-HOS  3(3,0)
Restaurant Real Estate, Site Selection, and Modeling: PR: Hospitality and Restaurant Management Core or C.I. Explains the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. Occasional.

HFT 4722 RCHM-TEA  3(3,0)
Travel Agency Management: PR: Junior Standing. The trends operation management procedures and practices of travel agents. Emphasis on tools utilized in agency opera
tions. 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 1000 and HFT 2760; or C.I. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. Occasional.

HFT 4802 RCHM-TEA 3(3,0)  Catering Management: PR: HFT 3443, HFT 3670, HFT 3792, HFT 3512, FSS 2221C. Catering sales and operations; emphasis on logistics, market segments, and services. Fall, Spring. M&S fee: $45.00

HFT 4844 RCHM-HOS 3(3,0)  Sanitation in the Food Service Industry: PR: HFT 1000 and junior standing or C.I. Causes and prevention of food spoilage and food borne illnesses. Includes National Restaurant Association (NRA) certification. Occasional.

HFT 4861C RCHM-HOS 3(3,1)  Beverage Management: PR: Minimum age of 21 by the first day of class and junior standing. The origin production, storing, marketing, and control of beverages in the hospitality industry. Spring. M&S fee: $45.00


HFT 4865 RCHM-HOS 3(3,0)  Advanced Wine Management: PR: HFT 4866 or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee: $45.00

HFT 4866C RCHM-HOS 3(3,1)  Exploring Wines of the World: PR: HFT 1000; HFT 3263; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Odd Fall; Even Spring. M&S fee: $45.00

HFT 4894 RCHM-HOS 3(3,0)  International Gastronomy: PR: FSS 2221C, HFT 3700, and C.I. A world view of culture and cuisine that includes an international travel component. May be used in the degree program a maximum of 2 times. Spring.

HFT 4949 RCHM-RCHM 0-5(0,1,5)  Cooperative Education: Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HIM 3006 HPA-HMI 3(3,0)  Foundations of Health Information Management (HIM): PR: Acceptance into upper-division limited access HIM program or C.I. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3116C HPA-HMI 4(3,2)  Health Record Organization and Management: PR: HIM 3006. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. Spring.

HIM 3806C HPA-HMI 3(1,4)  Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3557 and HIM 3116C. Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

HIM 4226C HPA-HMI 5(3,4)  Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval. ICD-9-CM, DRGs, encoders. Fall, Spring.

HIM 4256C HPA-HMI 3(2,2)  Coding Procedures II: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval. CPT-ROM, HCPCS, ICDs. Fall, Spring.

HIM 4344C HPA-HMI 4(3,2)  Health Information Department Management: PR: HFT 3116C, HSA 4190 or MAN 3205; or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. Fall, Spring.

HIM 4506C HPA-HMI 3(2,2)  Quality Management: PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.

HIM 4656C HPA-HMI 3(2,2)  Health Information Management Systems: PR: HSA 4191; or C.I. Vitalization of computerized information systems; management and patient care in the health care industry; systems analysis; system design and project management concepts. Fall, Spring.

HIM 4676 HPA-HMI 3(3,0)  Professional Development and Issues in Health Information Management: PR: HIM 4344C, HIM 4506C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. Spring.

HIM 4816C HPA-HP 3(1,4)  Professional Practice Experience II: PR: HIM 3806C and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4506C. Transcription; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. Fall, Spring.


HIS 4935 CAH-HIST 3(3,0)  Seminar: PR: Senior standing, history major, and C.I. Research in history through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.

HIS 4944 CAH-HIST 3(3,0)  Internship in Public History: PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.

HIS 4970 CAH-HIST 3(3,0)  Senior Thesis: Original research paper available to advanced history majors; topics to be selected in consulta- tion with a directing professor. Occasional.

HIS 4970H CAH-HIST VAR UNDERGRADUATE HONORS THESIS: Graded S or U or Letter grade. Occasional.

HIS 5067 CAH-HIST 3(3,0)  Introduction to Public History: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

HIS 5158 CAH-HIST 3(3,0)  Classic and Contemporary Historical Thought: PR: Graduate status or senior standing or C.I. Course will explore work of important historians influenced by social theory to gain an understanding of their main concepts. Occasional.

HLP 2701 ED-ERTL 3(3,0)  Peer Education Training: PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers. Fall, Spring.

HLP 4722 ED-ERTL 1(1,0)  Teaching Elementary School Health and Physical Education: PR: EDF 2005; CR: ARE 4313, MUE 2210, RED 4016, MAE 4236, and EDE 3942. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. Fall, Spring.

HSA 3012 HPA-HP 3(3,0)  Issues & Trends in Public Health: PR: STA 2023 or C.I. The American public health system, looking at the historical, present day, and future organization and management of all its components. Fall.

HSA 3111 HPA-HP 3(3,0)  U.S. Health Care Systems: PR: Major or minor in College of Health or C.I. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 3111H HPA-HP 3(3,0)  U.S. Health Care Systems Honors: PR: Major or minor in College of Health or C.I. Permission of Honors. A survey of the economics, social, and political aspects of the health care system in the United States. With Honors content. Occasional.

HSA 3170 HPA-HP 3(3,0)  Health Care Finance: PR: HSA 3111 or C.I., ACG 2201 and ACG 2971. Budgeting and resource allocation related to health care agencies. Fall, Spring.
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HSA 3222  HPA-HP  3(3,0)

HSA 3430  HPA-HP  3(3,0)
Health Care Economics: PR: HSA 3111, ECO 2023, or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers. Behaviors in the delivery of health services. Fall, Spring.

HSA 4109  HPA-HP  3(3,0)
Principles of Managed Care: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4150H  HPA-HP  3(3,0)
Honors Health Care Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of the complexities of health care as a societal issue. Occasional.

HSA 4180  HPA-HP  3(3,0)
Organization & Management for Health Agencies I: PR: HSA 3111. General description and analysis of the management and organization of a variety of healthcare organizations including hospitals, long term care facilities and medical group practices. Fall.

HSA 4184  HPA-HP  3(3,0)
Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4130, or C.I. In-depth analysis of the management and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. Fall.

HSA 4191  HPA-HP  3(3,0)
Health Care Automation: PR: HSA 3111; CGS 2010C, or CGS 1060C; or C.I. Analysis and design of computerized systems for health data and health administration. Fall, Spring.

HSA 4220  HPA-HP  3(3,0)

HSA 4502  HPA-HP  3(3,0)

HSA 4701  HPA-COM SC&DIS  6(6,0)
Introduction to Research in the Health Professions: PR: Senior or post-bac standing. The logic of research and design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 5177  HPA-HP  3(3,0)
Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198  HPA-HP  3(3,0)
Health Care Decision Sciences and Knowledge Management: PR: Graduate standing. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving management decision making process will be presented. Occasional.

HSA 5257  HPA-HP  3(3,0)
ICD9 Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on development of basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5258  HPA-HP  3(3,0)
CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I. in Health-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. Occasional.

HSC 1931C  HPA-HPA  2(1,1)

HSC 2000  HPA-HP  2(2,0)
Introduction to the Allied Health Professions: A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other professional. Graded SU/F. Fall.

HSC 2100  HPA-HP  3(3,0)

HSC 2921  HPA-HPA  2(2,0)
LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following courses: HSC 1931C, EGN 106C, IDS 1040C, GBE 101C or EGD 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.

HSC 3110C  HPA-HP  3(2,2)
Medical Self Assessment: Development of clinical skills and understanding of one’s health to encourage active participation of individuals in their own health care. Fall, Spring. M&S fee: $15.00

HSC 3147  HPA-HP  3(3,0)
Introduction to Pharmacology: Review of terminology and regulations. Study of drug types and usage. Fall, Spring.

HSC 3211  HPA-HP  3(3,0)
Preventive Health Care: PR: PCB 3703C. An established interdisciplinary approach to help people maintain health and prevent chronic diseases, stress, and addiction. Fall, Spring.

HSC 3406C  HPA-HP  3(2,3)
CPR & First Aid: To train individuals to accept and recognize medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies. Occasional.

HSC 3537  HPA-HP  3(3,0)
Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. Fall, Spring.

HSC 3559  HPA-COM SC&DIS  3(3,0)
Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.

HSC 3593  HPA-HP  3(3,0)
HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. Fall, Spring.

HSC 3640  HPA-HP  3(3,0)
Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. Fall, Spring.

HSC 4008  HPA-HP  3(3,0)
Professional Development in Health Professions: PR: RET 3026C or C.I. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements, and the impact of disease and technology on the health care industry. Spring.

HSC 4158  HPA-HP  2(2,0)
Medical Pharmacology I: Drugs in pulmonary diseases; effects on nervous system, and neuroeffectors, depressants & stimulants; influence on metabolism and endocrines. (MDIV) Bronchodilators, mycolysts, etc. Fall.

HSC 4159  HPA-HP  2(2,0)
Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes isotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. Spring.

HSC 4201  HPA-HP  3(3,0)
Community Health: PR: HSA 3111 or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interface of governmental, voluntary and private agencies. Fall, Spring.

HSC 4243  HPA-HP  3(3,0)
Analysis of Instruction in Health Professions: Development of teaching aids, audiovisuals, learning packets. Course development, questioning strategies, evaluation of didactic and clinical performance. Spring.

HSC 4500  HPA-HP  3(3,0)

HSC 4555  HPA-HP  3(3,0)

HSC 4564  HPA-HP  3(3,0)
Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

HSC 4652  HPA-HP  3(3,0)
Health Law and Ethics: PR: HSA 3111 or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall.

HSC 5317  ED-ERTL  3(3,0)
Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program. Occasional.
HSC 5595 HPA-HP  3(3,0)  

HUM 2020 CAH-PHIL  3(3,0)  
Encountering the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. Spring.

HUM 2210 CAH-PHIL  3(3,0)  
Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall, Spring.

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. Honors content. Fall, Spring.

HUM 2230H 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 3419 CAH-PHIL  3(3,0)  
Islamic Thought and Culture: PR: HUM 2230, or REL 2300, or C.I. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. Occasional.

HUM 3419H CAH-PHIL  3(3,0)  
Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. With Honors content. Occasional.

HUM 3431 CAH-PHIL  3(3,0)  
Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. Occasional.

HUM 3435 CAH-PHIL  3(3,0)  
Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. Occasional.

HUM 3460 CAH-PHIL  3(3,0)  
Latin American Humanities: PR: HUM 2210 or HUM 2230. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

HUM 3532 CAH-PHIL  3(3,0)  
Christian Thought: PR: ENC 1102. Christian thought from 4th century to present, concentrating on human nature, social justice, the state, war, and attitudes toward women. Occasional.

HUM 3533 CAH-PHIL  3(3,0)  
Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Deals with the main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

HUM 3800 CAH-PHIL  3(3,0)  
Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. Occasional.

HUM 4301 CAH-PHIL  3(3,0)  
The Classical Ideal: PR: HUM 2200 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4303 CAH-PHIL  3(3,0)  
The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. Concerns works of art reflecting spiritual insight or the spiritual quest; mystical impulses contrasted to ethos and pathos. Odd Spring.

HUM 4330 CAH-PHIL  3(3,0)  
Performance Theory: PR: Junior standing and HUM 2200 and other PHI 2010, PHI 2111, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performatives, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4393 CAH-PHIL  3(1,0)  
Portfolio: PR: Last semester as Humanities major. Presentations of a representative sampling of student's best undergraduate work, with appropriate revisions, including a cover narrative indicating development of humanistic knowledge and skills. Graded S/U. Fall, Spring.

HUM 4554 CAH-PHIL  3(3,0)  
Religious Quest and Human Dilemma: PR: ENC 1102 or C.I. Nature of the sacred, death, and future life and how they relate to human existence. Even Fall.

HUM 4556 CAH-PHIL  3(3,0)  
Religion and the Arts: PR: One of: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with emphasis on the contemporary. Occasional.

HUM 4823 CAH-PHIL  3(3,0)  

HUM 4933 CAH-PHIL  3(3,0)  
Senior Research Seminar: PR: Senior standing and Humanities major. Capstone course on research, developing effective oral and written communication skills. Occasional.

HUM 5802 CAH-PHIL  3(3,0)  
Applied Contemporary Humanities: PR: HUM 5803, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. Occasional.

HUM 5803 CAH-PHIL  3(3,0)  
Theories and Methods of the Humanities: PR: Senior undergraduate standing and at least one of the following: HUM 3252, HUM 3320, or PHI 4886 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall.

HUN 2002 HPA-HP  3(3,0)  
Modern Concepts in Nutrition: An examination of the eating patterns of today's American people. Topics include: nutrients in our diets, consumer demand in the food industry; fast food outlets, food trends and hunger. Fall, Spring.

HUN 3011 CON-NURS  3(3,0)  
Nutrition: Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.

HUN 3013 RCHM-HOS  3(3,0)  

HUN 5247 HPA-HP  3(3,0)  
Principles of Human Nutrition: PR: Admission to Health Sciences MS Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.

IDH 1920H BHC-HON  2(2,1)  

IDH 1921H BHC-HON  2(2,0)  
Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

IDH 1923H BHC-HON  2(2,1)  
Honors Foundation of Leadership: PR: Permission of Honors. An honors symposium that presents academic leaders and their research or artistic achievements. Students are organized in groups to discuss leadership principles and applications. Graded S/U. Occasional.

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IDH 4030H  BHC-HON  1(3,0)
Honors Windows To The World: PR: Permission of Honors and IDH 3921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 1040C  COS-COMM  2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

IDS 2041C  COS-COS  2(1,1)
LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, EGE 1091C, HSC 1931C, EGL 1058C, EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150  UGST-INTERDISC  3(3,0)
Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines in the college of Arts and Interdisciplinary studies major, or C.I. Interdisciplinary study regarding disciplines in the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 3334  UGST-INTERDISC  3(3,0)
Topics in Latino Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economics, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3933  UGST-INTERDISC  3(3,0)
Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.

IDS 4156  UGST-INTERDISC  3(3,0)
Solving Environmental Problems: PR: IDS 3150, ECP 4302, GIS 3042, GIS 4301C and PUP 3303, C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. Occasional.

IDS 4315  COS-POLS  3(3,0)
Global Perspectives: PR: Completion of general education requirements and junior standing or C.I. The historical and contemporary contexts of globalization. Spring.

IDS 4335  CAH-CAH  3(3,0)
Latino Artistic Expressions: PR: IDS 3334 or C.I. Latino culture as represented by the Arts in the United States. Odd Spring.

IDS 4334  UGST-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. M&S fee: $17.00

IDS 4335  COS-SOC  3(3,0)

IDS 5127  COM-M&M  3(3,0)
Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.
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ISM 3521 BA-MIS 3(3,0) Business Applications: PR: CGS 2100C or CGS 1000C, and MAC 1105 or MGF 1106, and ISM 3011C. Not open to MIS majors. Advanced topics concerning the use of application software in organizations. Focus on integration of applications. Occasional.

ISM 3530 BA-MIS 3(3,0) Quality & Productivity Management: PR: GEB 3031, MAN 3025. Open to MIS Majors and Minors and students whose major requires it. Principles and theories of quality and productivity management in manufacturing and service organizations. Fall, Spring.

ISM 4090 BA-MIS 3(3,0) Seminar in Information Systems: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. New developments in manage- ment information systems in a business environment. Occasional.

IST 4113 BA-MIS 3(3,0) Information Systems Analysis and Design: PR: ISM 3255, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Structured approaches to the development of computer-based information systems in business. Fall, Spring.

ISM 4114 BA-MIS 3(3,0) Advanced Business Application Development: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Theory and practice in developing client-server applications for business and use of modern development tools. Includes principles of multimedia application design and implementation. Occasional.

ISM 4130 BA-MIS 3(3,0) Information Systems Implementation: PR: ISM 4113. Open to MIS Majors and Minors and students whose major requires it. Management of information systems development in business. Fall, Spring.

ISM 4153C BA-MIS 3(2,1) Enterprise Information Systems: PR: ISM 3011C. Open to MIS majors and minors and other appropriate majors. Implementing and managing enterprise information systems in organizations. Fall, Spring.

ISM 4154 BA-MIS 3(3,0) Enterprise Application Development: PR: ISM 3011C. Open to MIS Majors and Minors and other appropriate majors. Design and development of enterprise applications with special emphasis on web based development platforms. Occasional.

ISM 4212C BA-MIS 4(3,2) Database Design and Implementation: PR: ISM 3253, Open to MIS Majors and Minors and other appropriate majors. Design and implementation of relational database in organizations. Fall, Spring.

ISM 4220 BA-MIS 3(3,0) Distributed Information Systems: PR: ISM 3253, ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer networking and communications, management and technical dimensions of client-server and other modes of distributed and decentralized computing in business. Fall, Spring.

ISM 4228 BA-MIS 3(3,0) Advanced Distributed Information Systems: PR: ISM 4220. Open to MIS Majors and Minors and other appropriate majors. Provides students with in-depth, hands-on experience with networking hardware and software. Teamwork is emphasized in mastering networking concepts. Occasional.

ISM 4238 BA-MIS 3(3,0) Business Programming/SP: PR: ISM 3253, ISM 4212C, or C.I. Open to MIS Majors and Minors and students whose major requires it. An introduction to object-oriented programming (OOP) and object-oriented design (OOD). Occasional.

ISM 4300 BA-MIS 3(3,0) Information Technology Management: PR: ISM 4212C. Open to MIS Majors and Minors and other appropriate majors. The strategy and theory of the design, development, adoption, and management of new information technologies. Fall, Spring.

ISM 4314 BA-MIS 3(3,0) Business Project Management: PR: ISM 3011C. Foundations of project management in commercial organizations. Covers all project phases from initiation to termination. Occasional.

ISM 4323 BA-MIS 3(3,0) Information Systems Security: PR: ISM 4220. Open to MIS Majors and Minors and students whose major requires it. Primary issues related to information systems security in an organization's IT infrastructure. Occasional.

ISM 4400 BA-MIS 3(3,0) Decision Support: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer-based quantitative models and decision support systems in organizations. Fall, Spring.

ISM 4431 BA-MIS 3(3,0) Business Process Analysis: PR: ISM 4153C. Open to MIS majors and minors and other appropriate majors. Analysis of business processes surrounding Supply Chain Management. Focus on enterprise resource planning technology supports SCM by integrating the business process required for success. Fall, Spring.


ISM 4941 BA-MIS 3(0,3) Internship in MIS: PR: ISM 3253, ISM 4212C, and ISM 3011C, consent of department chair. Provides student with supervised, management information system-related work experience in a sponsoring organization. See department for information. Fall, Spring.

ISM 5021 BA-MIS 3(3,0) Introduction to Management Information Systems: PR: Acceptance into the graduate program. Designed to provide the student with the fundamentals of business data processing and management information systems used by organizations in a modern society. Occasional.

ISM 5123 BA-MIS 3(3,0) Concepts of Systems Analysis and Design: PR: Graduate standing. Using a traditional life-cycle approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.

ISM 5127 BA-MIS 3(3,0) Concepts of Database Design and Administration: PR: Graduate standing. Introduces concepts and methods related to the effective utilization of data by organizations. Occasional.

ISM 5219 BA-MIS 3(3,0) Information Processing: PR: Graduate standing. Modern paradigms in data analysis. The detection of useful patterns and relationships in databases. Occasional.

ISM 5228 BA-MIS 3(3,0) Business Intelligence Systems: PR: Graduate standing. Business intelligence systems: Data mining, data warehousing and business intelligence systems. Occasional.

ISM 5229 BA-MIS 3(3,0) Concepts of Business Programming: PR: Senior or admission to graduate study. Principles of programming including program design, fundamental programming contracts, and database access. Occasional.

ISM 5321 BA-MIS 3(3,0) Information Systems Project Management: PR: Graduate standing. This course introduces students to the concept of project management including project scope, cost, time and quality. Occasional.

ISM 5507 BA-MIS 3(3,0) Electronic Agora: PR: Admission to graduate study. Broad exploration of internet tools as vehicles for communication, interaction, decision-making, and community formation. Occasional.

ISS 4155 COS-COMM 3(3,0) Science Fiction and the Social Sciences: A multimedia examination of noteworthy science fiction from the Social Science perspective. Occasional.

ITA 1120C CAH-LANG 4(3,1) Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

ITA 1121C CAH-LANG 4(3,1) Elementary Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITA 2200 CAH-LANG 3(3,0) Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.

ITA 2201 CAH-LANG 3(3,0) Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. Spring.

ITA 2210 CAH-LANG 3(3,0) Intensive Italian Conversation: PR: One year of Italian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. Occasional.

ITA 2240 CAH-LANG 3(3,0) Italian Conversation: PR: ITA 2201 or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture. Occasional.

ITA 3420 CAH-LANG 3(3,0) Italian Composition: PR: ITA 3420 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3440 CAH-LANG 3(3,0) Italian for Business: PR: ITA 2200. Italian language for business purposes. Occasional.

ITA 3472 CAH-LANG 3(3,0) Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotte to Michelangelo. Occasional.

ITA 3760 CAH-LANG 3(3,0) Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4820 CAH-LANG 3(3,0) Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. Occasional.

Introduction of Modernism into Judaism:

PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Haschel, Borowitz, Soloveitchik, within the historical context of European immigration to the U.S. Occasional.

The Jewish People II:

Honors Jewish Identity and Genre: PR: ENC 1102 and consent of Honors. Literary genres in Jewish and Hebrew literature of the 19th and 20th centuries as related to the intellectual quest for Jewish identity and modernism. With Honors content. Occasional.

The Jewish People I:

Introduction survey of the history and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.

American Jewish History:


Modern Jewish Experience:

PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience. In the past 250 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America, and pre-state Israel. Occasional.

20th Century Jewish History and Thought:

PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Haschel, Borowitz, Soloveitchik, within the historical context of European immigration to the U.S. Occasional.

Introduction to Modernism in Judaism:

The transition from traditional Judaism to modern Judaism in the 19th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.

Contemporary Jewish Ethics and Morality:


History of the Holocaust:

A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe, America and pre-state Israel. Occasional.

History of the Holocaust in Contemporary Jewish and Hebrew Literature:

PR: C.I. Designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to elementary school; organizing for instruction. Occasional.

History of the Holocaust:

PR: ENC 1101 and admission to the college. This course is designed to explore adolescent/young adult literature from an educational and historical perspective. Spring.

CFWP Teacher Consultant:

PR: C.J. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools. Occasional.

Writing Workshop:

PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. Occasional.

Methods of Elementary School Language Arts:

PR: EDG 4233 or ETV 3830 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. Fall, Odd Spring.

Survey of Adolescent Literature:

PR: ENC 1101 and admission to the college. This course is designed to explore adolescent/young adult literature from an educational and historical perspective. Spring.

Critical Writing:

PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools. Occasional.

Literacy Strategies for Middle and Secondary Schools:

PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools. Occasional.

History of Puerto Rico from Pre-Columbian Era to Present:


History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian Times to the Present:

PR: EUH 2000 and 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. Occasional.

American history from Pre-Columbian times to the present.

History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian Times to the Present:

PR: EUH 2000 and 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. Occasional.

Literacy for Adolescents:

PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. Spring.

Assessing Writing:

PR: C.I. Students will explore a variety of strategies for assessing students writing including holistic scoring, primary trait scoring, and portfolio assessment. Spring.

Latin American History:


Latin American History:


History of the Caribbean:

PR: EUH 2000 and 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian Times to the present. Occasional.

Colonial Florida:

PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. Odd Fall.

History of Puerto Rico:


History of Cuba:


The Mexican Revolution:

PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. Occasional.

Collegium in U.S.-Latin American Relations:

PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussions of selected materials. Occasional.

Latin American Popular Culture:


African Caribbean Experience:

PR: Junior standing or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT 1120C</td>
<td>CAH-LANG</td>
<td>Elementary Latin Language and Civilization I</td>
<td>Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.</td>
</tr>
<tr>
<td>LAT 1120H</td>
<td>CAH-LANG</td>
<td>Honors Elementary Latin Language and Civilization I</td>
<td>PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.</td>
</tr>
<tr>
<td>LAT 1121</td>
<td>CAH-LANG</td>
<td>Elementary Latin Language and Civilization II</td>
<td>PR: LAT 1120 or equivalent. Continuation of LAT 1120C. Spring.</td>
</tr>
<tr>
<td>LAT 1121H</td>
<td>CAH-LANG</td>
<td>Honors Elementary Latin Language and Civilization II</td>
<td>PR: LAT 1120H or equivalent and permission of Honors. Continuation of LAT 1120H, with honors-level content. Occasional.</td>
</tr>
<tr>
<td>LDR 2001</td>
<td>UGST-INTERDISC</td>
<td>Foundations of Leadership</td>
<td>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.</td>
</tr>
<tr>
<td>LIN 3010</td>
<td>CAH-ENG</td>
<td>Principles of Linguistics</td>
<td>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 dialectology, language acquisition, and semantics. Occasional.</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>HPA-COM SC&amp;DIS</td>
<td>Language Development: Birth Through 8 Years</td>
<td>PR: DEP 2004. Study of the language acquisition process in children from birth to eight years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.</td>
</tr>
<tr>
<td>LIN 3717</td>
<td>HPA-COM SC&amp;DIS</td>
<td>Language Development: 9 - 18 Years</td>
<td>PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.</td>
</tr>
<tr>
<td>LIN 4105</td>
<td>CAH-ENG</td>
<td>History of the English Language</td>
<td>PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.</td>
</tr>
<tr>
<td>LIN 4615</td>
<td>CAH-ENG</td>
<td>African-American Styles of Communication</td>
<td>PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinemes, prosopemics, paralinguistics, and gender roles. Occasional.</td>
</tr>
<tr>
<td>LIN 4643</td>
<td>CAH-ENG</td>
<td>Cross Cultural Communication</td>
<td>PR: Junior standing or C.I. and ENC 3020 or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.</td>
</tr>
<tr>
<td>LIN 4643H</td>
<td>CAH-ENG</td>
<td>Honors Cross-Cultural Communication</td>
<td>PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. Occasional.</td>
</tr>
<tr>
<td>LIN 4660</td>
<td>CAH-ENG</td>
<td>Linguistics and Literature</td>
<td>PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.</td>
</tr>
<tr>
<td>LIN 4680</td>
<td>CAH-ENG</td>
<td>Modern English Grammar</td>
<td>PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.</td>
</tr>
<tr>
<td>LIN 4711</td>
<td>HPA-COM SC&amp;DIS</td>
<td>Language Analysis</td>
<td>PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. Fall, Spring.</td>
</tr>
<tr>
<td>LIN 4711L</td>
<td>HPA-COM SC&amp;DIS</td>
<td>Language Analysis Lab</td>
<td>PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language samples across the lifespan. Graduated SU. Fall, Spring.</td>
</tr>
<tr>
<td>LIN 4801</td>
<td>CAH-ENG</td>
<td>Language and Meaning</td>
<td>PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.</td>
</tr>
<tr>
<td>LIN 5137</td>
<td>CAH-ENG</td>
<td>Linguistics</td>
<td>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.</td>
</tr>
<tr>
<td>LIN 5675</td>
<td>CAH-ENG</td>
<td>English Grammar and Usage</td>
<td>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.</td>
</tr>
<tr>
<td>LIN 6000</td>
<td>CAH-ENG</td>
<td>Introduction to Literary Interpretation</td>
<td>PR: ENC 1102. Interpretation of fiction, drama, verse, conflict, characterization, point of view, rhetorical and poetic devices, figurative language, verse forms; application of critical approaches to selected works. Occasional.</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>CAH-ENG</td>
<td>World Literature I</td>
<td>PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>CAH-ENG</td>
<td>World Literature II</td>
<td>PR: ENC 1102. Readings from Melville, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.</td>
</tr>
<tr>
<td>LIT 2120H</td>
<td>CAH-ENG</td>
<td>Honors World Literature II</td>
<td>PR: Permission of Honors. Same as LIT 2120, with honors-level content. Occasional.</td>
</tr>
<tr>
<td>LIT 3082</td>
<td>CAH-ENG</td>
<td>Continental European Fiction Since 1900</td>
<td>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.</td>
</tr>
<tr>
<td>LIT 3192</td>
<td>CAH-ENG</td>
<td>Caribbean Literature</td>
<td>PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Occasional.</td>
</tr>
<tr>
<td>LIT 3192H</td>
<td>CAH-ENG</td>
<td>Honors Caribbean Literature</td>
<td>PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content. Occasional.</td>
</tr>
<tr>
<td>LIT 3202</td>
<td>CAH-ENG</td>
<td>Death and Dying</td>
<td>PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.</td>
</tr>
<tr>
<td>LIT 3313</td>
<td>CAH-ENG</td>
<td>Science Fiction</td>
<td>PR: ENC 1102. An investigation of science fiction as a literary form, together with selected readings. Occasional.</td>
</tr>
<tr>
<td>LIT 3313H</td>
<td>CAH-ENG</td>
<td>Honors Science Fiction Literature</td>
<td>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.</td>
</tr>
<tr>
<td>LIT 3381</td>
<td>CAH-ENG</td>
<td>Women Writers of Color</td>
<td>PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>CAH-ENG</td>
<td>Women in Literature</td>
<td>PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.</td>
</tr>
<tr>
<td>LIT 3383H</td>
<td>CAH-ENG</td>
<td>Honors Women in Literature</td>
<td>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.</td>
</tr>
<tr>
<td>LIT 3394</td>
<td>CAH-ENG</td>
<td>Literature of AIDS</td>
<td>PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.</td>
</tr>
<tr>
<td>LIT 3394H</td>
<td>CAH-ENG</td>
<td>Honors Literature of AIDS</td>
<td>PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS. Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.</td>
</tr>
<tr>
<td>LIT 3482</td>
<td>CAH-ENG</td>
<td>Literature &amp; Popular Culture</td>
<td>PR: ENC 1102 Analysis of media to determine popular values in the formation of popular cultural perceptions. Occasional.</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>CAH-ENG</td>
<td>Hispanic Women Writers</td>
<td>PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>LIT 3905</td>
<td>CAH-ENG</td>
<td>Directed experience in Literature</td>
<td>PR: ENC 1102. C.I. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>LIT 3911H</td>
<td>CAH-ENG</td>
<td>Research Methods — Honors</td>
<td>PR: Permission of Honors. Introduction to scholarship and practical research in literature and writing. Occasional.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

LIT 4043 CAH-ENG 3(3,0)
Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4184 CAH-ENG 3(3,0)
Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland within the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4233 CAH-ENG 3(3,0)
Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 4244 CAH-ENG 3(3,0)
World Authors: PR: ENG 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 4303 CAH-ENG 3(3,0)
Post-World War II Fiction: PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant postmodern writers. Occasional.

LIT 4374 CAH-ENG 3(3,0)
Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Occasional.

LIT 4374H CAH-ENG 3(3,0)
Honors Literature of the Bible: PR: Permission of Honors and ENC 1102 or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. Occasional.

LIT 4433 CAH-ENG 3(3,0)
Literature of Science and Technology: PR: ENC 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(3,0)
Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.

LIT 4937H CAH-ENG 3(3,0)
English Honors Seminar: PR: ENG 3014 and permission of Honors. In-depth study of language and literature with an emphasis on creative and critical abilities. Occasional.

LIT 5028 CAH-ENG 3(3,0)
Form and Theory of Short Story: PR: Graduate status or senior standing or C.I. Evolving forms and theories of short fiction and the implications of form and theory. Occasional.

LIT 5269 CAH-ENG 3(3,0)
Nineteenth-Century Essays: PR: Graduate status or senior standing or C.I. English non-fiction prose of the 19th century. Occasional.

LIT 5309 CAH-ENG 3(3,0)
Popular Culture and Media: PR: Graduate status or senior standing or C.I. Study of contemporary media and the literature of popular culture. Occasional.

LIT 5366 CAH-ENG 3(3,0)
The Romantic Revolt (19th Century Literature): PR: Graduate status or senior standing or C.I. The romantic revolt in poetry and prose; English, American and Continental literature from 1798 to 1832. Occasional.

LIT 5387 CAH-ENG 3(3,0)
Captives, Housewives, and Coquettes: PR: Graduate status or senior standing or C.I. Course considers early American women's literature from 17th to 18th centuries. Occasional.

LIT 5389 CAH-ENG 3(3,0)
Studies in Gender and Fiction Writing: PR: Graduate status or senior standing or C.I. Graduate study of gender's implications for teaching and practice of fiction writing. Occasional.

LIT 5556 CAH-ENG 3(3,0)
Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from "French Feminism" to "Critical Race Theories". Occasional.

MAC 2233 COS-MATH 3(3,0)
Concepts of Calculus: PR: MAC 1140 or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2233 or MAC 2311. The "NC" grading policy applies to this course. Occasional.

MAC 2241 COS-MATH 4(4,0)
Calculus for Life Sciences: PR: MAC 1105. Discrete dynamical systems, derivatives and dynamics, applications of derivatives, integrals and their applications. For biologists and others required to have one semester of calculus. The "NC" grading policy applies to this course. Occasional.

MAC 2253 COS-MATH 3(3,0)
Applied Calculus I: PR: MAC 1105 and MAC 1114 or C.I. Differential and integral calculus. An introduction to differential equations and Laplace Transforms. Applications to engineering technology. Not open to students with credit in MAC 2233 or MAC 2311. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311 COS-MATH 4(4,0)
Calculus with Analytic Geometry I: PR: MAC 1140 (or MAC 1105 if taken prior to Summer 2008) and MAC 1114 (or equivalent) or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry I: PR: MAC 1140 (or MAC 1105 if taken prior to summer 2008) and MAC 1114 (or equivalent) or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. The "NC" grading policy applies to this course. With Honors content. Fall, Spring.

MAC 2312 COS-MATH 4(4,0)
Calculus with Analytic Geometry II: PR: MAC 2311 or C.I. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH 4(4,0)
Calculus with Analytic Geometry II (Honors): PR: Permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors content. Fall, Spring.

MAC 2313 COS-MATH 4(4,0)
Calculus with Analytic Geometry III: PR: MAC 2312 or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0)
Calculus with Analytic Geometry III (Honors): PR: Permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. With Honors content. Spring.
UCF Courses and Descriptions


MAD 2104 COS-MATH 3(3,0) Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic; methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAD 4203 COS-MATH 3(3,0) Applied Combinatorics: PR: MAC 2212, 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.

MAD 4301 COS-MATH 3(3,0) Graph Theory: PR: MAC 2313 and MHF 3302, or C.I. Graph theory; isomorphism, connectivity; traversability; matchings, factorizations; planarity, colorings, and Ramsey number. Spring.

MAD 5205 COS-MATH 3(3,0) Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polya's theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. Odd Spring.

MAE 2801 ED-TLP 4(3,1) Elementary School Mathematics: PR: MAC 1105 or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 4300 ED-CFCS 3(3,0) Math Curriculum and Assessment in Early Childhood: PR: EEC 4661, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAE 4326 ED-TLP 3(3,0) How Children Learn Mathematics: PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall, Spring.

MAE 4360 ED-TLP 4(3,2) Mathematics Instructional Analysis: PR: EDG 4323. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.


MAE 5318 ED-TLP 3(3,0) Current Methods in Elementary School Mathematics: PR: EDG 4323. Strategies of instruction of computation and concepts of number, geometry, and measurement; instructional materials. (Meets Elementary Education certification requirements). Fall, Spring.

MAE 5327 ED-TLP 3(3,0) Teaching Middle School Mathematics: PR: EDG 4236 or C.I. Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. Occasional.

MAE 5336 ED-TLP 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4323 or EDG 6236 or C.I. Required special methods course for mathematics K-12 certification: Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(4,0) Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 4(4,0) Honors Management of Organizations: PR: Junior standing and business major or minor, permission of Honors, ECO 2013, ECO 2023 and AGC 2011. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students. Occasional.

MAN 3301 BA-MAN 3(3,0) Management of Human Resources: PR: Junior standing and approved major or minor; MAN 3025. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.


MAN 3354 BA-MAN 3(3,0) Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.

MAN 4029 BA-MAN 3(3,0) Service Organization Management: PR: Management major, MAN 3025 and ISM 3530. Study of the special characteristics, problems, and methods for managing service-oriented organizations. Occasional.

MAN 4101 BA-MAN 3(3,0) Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Management major, MAN 3025. A course providing a micro/macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.

MAN 4310 BA-MAN 3(3,0) Human Resource Management Issues: PR: Management major, Junior standing, MAN 3301. An application-oriented course to give students in the area experiences generally reserved for practitioners in the field of human resource management and labor relations. Odd Spring.

MAN 4320 BA-MAN 3(3,0) Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN 3(3,0) Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.

MAN 4350 BA-MAN 3(3,0) Training and Development: PR: Management major, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN 3(3,0) Labor Relations Management: PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve labor-management cooperation. Occasional.

MAN 4441 BA-MAN 3(3,0) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4521 BA-MAN 3(3,0) Production Planning and Control: PR: Management major, ISM 3530. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAN 3025. The course surveys 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 environments. Fall, Spring.

MAN 4720 BA-MAN 4(4,0) Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403C and GEB 3021. Students assume a strategic view of their business courses to modern organizational problems and opportunities. Fall, Spring.


MAN 4802 BA-MAN 3(3,0) Entrepreneurship: PR: GEB 3021 or (MAN 3025 and MAR 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing financing and developing a new venture. Fall, Spring.
UCF Courses and Descriptions

MAN 4804 BA-MAN 3(3,0)
Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C.I. Students are assigned teams and work with a local small business. Occasional.

MAN 4941 BA-MAN 3(0,3)
Management Internship: PR: Management major, application approval, consent of department chair. Provides students with supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.

MAN 5021 BA-MAN 1.5(1,5,0)
Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.

MAN 5050 BA-MAN 2(2,0)

MAN 5867 BA-MAN 3(3,0)
Small Business Institute: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. Even Fall, Even Spring.

MAP 2302 COS-MATH 3(3,0)

MAP 2302H COS-MATH 3(3,0)

MAP 3401 ECS-ENT 3(3,0)
Problem Analysis: PR: MAC 2311 or MAC 2233 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. Fall, Spring.

MAP 3923 COS-MATH 1(1,0)
Foundations 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 3937 COS-MATH 1(1,0)
Techniques of Problem Solving: PR: MAC 2311 and CR:MAC 2312; or C.I. Methods for solving problems in a wide variety of mathematical fields, with emphasis on proper mathematical technique and writing of solutions. May be repeated for credit. Fall.

MAP 4103 COS-MATH 3(3,0)

MAP 4113 COS-MATH 3(3,0)

MAP 4153 COS-MATH 3(3,0)
Vector and Tensor Analysis: PR: MAC 2313 or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0)

MAP 4307 COS-MATH 3(3,0)

MAP 4363 COS-MATH 3(3,0)

MAP 4364 COS-MATH 3(3,0)
Boundary Value Problems II: PR: MAP 4363 or C.I. Legendre polynomials and Bessel functions. The theory of Sturm-Liouville. Separation of variables. Applications involving the wave equation, heat equation and equation of Laplace. Spring.

MAP 4371 COS-MATH 3(3,0)

MAP 4384 COS-MATH 3(3,0)

MAP 5106 COS-MATH 3(3,0)
Introduction to Quantitative Aspects of Modeling and Simulation: PR: MAC 2253, graduate status or senior standing, or C.I. Introduction to linear and non-linear algebra, probability and statistics, and high level programming languages. A student who has mastered this content does not have to take this course. Occasional.

MAP 5117 COS-MATH 3(3,0)
Mathematical Modeling: PR: STA 4321, MAP 3463, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Fall.

MAP 5336 COS-MATH 3(3,0)

MAP 5396 COS-MATH 3(3,0)
Splines and Data Fitting: PR: MAS 3106, MAS 3105, MAP 2302, and graduate status or senior standing or C.I. Univariate splines and their application to data fitting, Applications to regression analysis, differential and integral equations, Algorithms to use different types of splines in computation. Occasional.

MAP 5404 COS-MATH 3(3,0)
Mathematical Foundations for Industrial Engineering and Operations: PR: MAP 2302, ESI 3219 or equivalent, ESI 4312, and graduate status or senior standing or C.I. Methods of proof, set theory; basic elements of topology, real analysis, graph theory, and matrix analysis. Occasional.

MAP 5426 COS-MATH 3(3,0)
Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonality. Properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.

MAP 5435 COS-MATH 3(3,0)
Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. Occasional.

MAP 5514 COS-MATH 3(3,0)
Linear and Nonlinear Waves I: PR: MAP 2302, MAP 4363, and graduate status or senior standing, or C.I. Equations of motion in inviscous and viscous fluids, energy equation and entropy flux, linear theory and gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5931 COS-MATH 1(1,0)
Research Seminar:  PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and presenting current investigations. Different branches of mathematics will be presented for a sense of diversity. Occasional.

MAR 3023 BA-MAR 4(4,0)
Marketing: PR: Admission to UCF. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.

MAR 3023H BA-MAR 4(4,0)
Marketing - Honors: PR: Permission of Honors College. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall.

MAR 3233 BA-MAR 3(3,0)
Integrated Marketing Communications: PR: MAR 3023 with a grade of C (2.0) or better and Common Program prerequisites and appropriate Major or Minor. Written and verbal communications skills applied to marketing settings. Elective courses approved for a sense of diversity. Occasional.

MAR 3391 BA-MAR 3(3,0)
Professional Selling: PR: MAR 3023 with a grade of C (2.0) or better and Common Program prerequisites and appropriate Major or Minor. Writing and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. Fall, Spring.

MAR 3403 BA-MAR 3(3,0)
Sales Force Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales process formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR 3(3,0)
Customer Behavior: PR: MAR 3023 with a grade of C (2.0) or better and Common Program prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales process formulation and implementation. Fall, Spring.
MAR 3613 BA-MAR 3(3,0)
Marketing Analysis and Research: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor and one of the following: STA 3023 with a grade of C (2.0) or better or ECO 3413 with a grade of C (2.0) or better. Analytical tools and their application to marketing problems and decision making. Forecasting, financial analysis, and acquisition of primary data through market research are emphasized. Fall, Spring.

MAR 3641 BA-MAR 3(3,0)
Marketing Intelligence: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3721 BA-MAR 3(3,0)
E-Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Course provides an in-depth study of the role of the internet in developing marketing strategies and plans. Occasional.

MAR 4156 BA-MAR 3(3,0)
International Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Investigates strategy, policy and the variables in international marketing decisions. Fall, Spring.

MAR 4231 BA-MAR 3(3,0)
Retailing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. Occasional.

MAR 4413C BA-MAR 3(2,3)
Strategic Issues in Sales-Lecture: PR: MAR 3023, MAR 4415C, common program prerequisites, approved major or minor, and department consent. Advanced study of selected contemporary strategic issues in selling and sales management. Spring.

MAR 4415C BA-MAR 3(2,3)
Advanced Professional Selling: PR: MAR 3023 and common program prerequisites and appropriate Major and Minor and MAR 3391 and Department Consent. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Fall.

MAR 4711 BA-MAR 3(3,0)
Sport Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. Occasional.

MAR 4712 BA-MAR 3(3,0)
Healthcare Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4715 BA-MAR 3(3,0)
Entertainment Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.

MAR 4724 BA-MAR 3(3,0)
Strategic Foundations in Global E-Business: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Course examines the forces shaping global e-marketing decision-making in a new rapidly changing electronic global marketplace. Emphasis on product-market entry strategies, standardization/adaptation, and organizing for efficient international marketing operations. Occasional.

MAR 4803 BA-MAR 3(3,0)
Marketing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor and MAR 3503 with a grade of C (2.0) or better. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR 3(3,0)
Marketing Strategy: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the leisure industry. Fall, Spring.

MAR 4805C BA-MAR 3(3,0)
Marketing Internship: PR: Marketing major, application approval, consent of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH 4(4,0)
Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in Rn, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3106 COS-MATH 4(4,0)
Linear Algebra: PR: MHF 3302, MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, innerproducts, the spectral theorem, Jordan Canonical Form. (Only offered spring semester). Spring.

MAS 3203 COS-MATH 3(3,0)
Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factoring, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH 3(3,0)
Abstract Algebra I: PR: MTH 3302 and MAS 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, group actions, the class equation, Sylow theorems, and rings. Fall.
UCF Courses and Descriptions

MCB 3404 COM-M&M 3(3,0) Bacterial Genetics and Physiology: PR: MCB 3020C. Basic principles of microbial genetic analysis and emphasis on how microbial genetic approaches are used to understand fundamental, physiological processes in bacteria. Spring.


MCB 4203 COM-M&M 3(3,0) Infectious Processes: PR: MCB 3020C. The infectious process and the response of host cells to tissue infection. Fall.

MCB 4204 COM-M&M 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCB 4276 COM-M&M 3(3,0) Epidemiology of Infectious Diseases: PR: MCB 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. Spring.

MCB 4312 COM-M&M 3(3,0) Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; xenotypic organisms, patents, and regulations. Fall.

MCB 4414 COM-M&M 3(3,0) Microbial Metabolism: PR: MCB 3020C, CR: BCH 4053. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall.


MCB 4603 COM-M&M 3(3,0) Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MCB 4720 COM-M&M 3(3,0) Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Fall.


MCB 5205 COM-M&M 3(3,0) Infectious Processes: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCB 5208 COM-M&M 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.


MCB 5505 COM-M&M 3(3,0) Molecular Virology: PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 5527 COM-M&M 3(3,0) Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems, Plants, including human gene therapy, novel pharmaceuticals, combinatorial proteins will be discussed in-depth. Fall.

MCB 5654 COM-M&M 3(3,0) Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including; economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5722C COM-M&M 4(2,4) Methods in Biotechnology: PR: Graduate standing 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.

MCB 5932 COM-M&M 3(3,0) Variable Content in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 COS-PHYS 3(3,0) The Earth's Climate: History, physics and dynamics of the Earth's climate. Odd Spring.

MGF 1106 COS-MATH 3(3,0) Finite Mathematics: PR: Intermediate algebra or 2 years of high school algebra or C.I. Introduction to logical structures, sets, probability, geometry, graphs. This course is intended for students who are not planning to take further courses in mathematics. Fall, Spring.

MGF 1107 COS-MATH 3(3,0) Explorations in Mathematics: PR: Intermediate algebra or 2 years of high school algebra. The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. For students not intending to take higher mathematics. Fall, Spring.

MHF 3302 COS-MATH 3(3,0) Logic and Proof in Mathematics: PR: MAC 2311 or MAC 2312. Basic mathematical logic. Methods of proof in mathematics. Application of proofs to elementary mathematical structures. Fall, Spring.

MHF 4404 COS-MATH 3(3,0) History of Mathematics: PR: MAC 2312 or C.I. A chronological study of the evolution of mathematical thought from primitive counting through modern ideas of the 20th century. Recommended for prospective teachers in mathematics. Fall.

MHS 2330 ED-CFCS 3(3,0) Career Planning: Introduction to career and life planning theories and concepts that assist students in applying these to their own lives. Odd Fall, Even Spring.

MHS 2441 ED-CFCS 3(3,0) Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, premarital preparation and marital education. Occasional.

MHS 5005 ED-CFCS 3(3,0) Introduction to the Counseling Profession: PR: Completion of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MLS 3220C COM-M&M 3(3,0) Techniques in Clinical Microscopy: PR: CHM 2210, PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee: $25.00

MLS 3305 COM-M&M 3(3,0) Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. Spring.

MLS 3305L COM-M&M 1(0,6) Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

MLS 3705 COM-M&M 3(3,0) Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MLS 4334 COM-M&M 3(3,0) Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MLS 4420C COM-M&M 1(1,2) Clinical Mycology: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional. M&S fee: $15.00

MLS 4430C COM-M&M 2(1,3) Clinical Parasitology: PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. Even Fall. M&S fee: $15.00

MLS 4460C COM-M&M 5(3,6) Clinical Pathogenic Microbiology: PR: Admission to the professional phase of the MLS program. Analysis of clinical pathogenic bacteria, fungi and viruses and their correlation to disease. Spring. M&S fee: $45.00


MLS 4550 COM-M&M 4(2,6) Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee: $45.00

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MLS 4625  COM/M&M  3(3,0)  Advanced Clinical Chemistry  I: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MLS 4625L  COM/M&M  1(0,3)  Advanced Clinical Chem Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee: $45.00.

MLS 4630  COM/M&M  3(3,0)  Advanced Clinical Chemistry  II: PR: CHM 2210, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. Spring.


MLS 4830C  COM/M&M  4(4,8)  Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625, MLS 4630. Clinical instruction and practice in the clinical chemistry laboratory. Case study, chemist review, hands on practice both in the student lab and affiliate. Fall. M&S fee: $15.00.

MLS 4831C  COM/M&M  4(4,8)  Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4565C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. Fall. M&S fee: $15.00.

MLS 4832C  COM/M&M  4(4,8)  Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 4550, MLS 4565C. Advanced study of hematology and pathophysiological correlation to hematological disorders. Correlation of case studies and clinical practice in both student lab and clinical affiliates. Fall. M&S fee: $15.00.

MLS 4833C  COM/M&M  4(4,8)  Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4550. Practical application of modern bacterial procedures with clinical specimens to include mycology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee: $15.00.

MLS 4834C  COM/M&M  4(4,8)  Advanced Instrumentation: PR: Admission to the MLS program, MLS 4550, MLS 4565C. Examination & practice of techniques in the clinical laboratory to include flow cytometry, PCR, LIS, robotics. Case studies will be a fundamental part of this course. Occasional.

MLS 4910  COM/M&M  1(1,0)  Introduction to Clinical Research: PR: MLS 3202C, MLS 4625, MLS 4565. Introduces MLS students to different types of research within the clinical setting. Spring.


MMC 2004  COS-COMM  3(3,0)  Mass Media: Introduction to the nation’s mass media, including newspapers, radio, television, magazines, advertising, and public relations. Fall. Spring.

MMC 3200  COS-COMM  3(3,0)  Mass Communication Law: PR: AMH 2010 or AMH 2020 or POS 2041. Legal rights and responsibilities of the mass media. Fall, Spring.

MMC 3420  COS-COMM  3(3,0)  Mass Media Research Methods: PR: Communication major. Theory and methods of research used by media professionals and academics, focusing on radio / TV and advertising / public relations research. Fall, Spring.

MMC 4263  COS-COMM  3(3,0)  New Media Technologies: PR: Majors only, RTV 2200. An examination of the technologies impacting the communications media environment and society.秋.

MMC 4300  COS-COMM  3(3,0)  International Media: PR: Junior standing or C.I. The student will analyze different communication systems from around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle East, Africa, Occasional.

MMC 4411  COS-COMM  3(3,0)  ADPR campaigns: PR: ADPR majors only and ADV 3008, PUR 4000, PUR 3100 or ADV 4101, PUR 4001 or ADV 4401. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Even Fall, Odd Spring.

MMC 4602  COS-COMM  3(3,0)  Contemporary Media Issues: PR: A minimum grade of "C" (2.0) in JOU 2100C. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media’s relationship with government. Even Spring.

MSL 1001C  ECS-AROTC  2(1,1)  Foundations of Officership: Examine the unique duties and responsibilities of officers, organization and role of the Army, and the communication, leadership, and responsibilities of the media’s relationship with government. May be repeated for credit. Fall.

MSL 1002C  ECS-AROTC  2(1,1)  Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. Spring.

MSL 2101C  ECS-AROTC  2(1,1)  Individual Leadership Studies: Develops knowledge of self, self-confidence, and leadership skills; develop problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. Fall.

MSL 2102C  ECS-AROTC  2(1,1)  Leadership and Teamwork: Focuses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. Spring.

MSL 3201C  ECS-AROTC  4(3,1)  Leadership and Problem Solving: PR: Junior standing. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; and executes squad battle drills. Fall.

MSL 3202C  ECS-AROTC  4(3,1)  Leadership and Ethics: PR: MSL 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MSL 4301C  ECS-AROTC  4(3,1)  Leadership and Management: PR: MSL 3202C. Discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. Fall.
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<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
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<tbody>
<tr>
<td>MUE 2346</td>
<td>CAH-MUSIC</td>
<td>Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.</td>
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<tr>
<td>MUE 2450</td>
<td>CAH-MUSIC</td>
<td>Woodwind Techniques I: PR: MUE24, major. Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.</td>
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<tr>
<td>MUE 2460</td>
<td>CAH-MUSIC</td>
<td>Brass Techniques: PR: MUE24, major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.</td>
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<tr>
<td>MUE 2470</td>
<td>CAH-MUSIC</td>
<td>Percussion Techniques: PR: MUE24, major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&amp;S fee: $35.00.</td>
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<tr>
<td>MUE 2471</td>
<td>CAH-MUSIC</td>
<td>Percussion Techniques II: PR: MUE 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today’s instrumental music teachers. Odd Spring. M&amp;S fee: $35.00.</td>
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<tr>
<td>MUE 3210</td>
<td>ED-TLP</td>
<td>Music in the Elementary School: PR: ED 2005; CR: ARE 4313, HLP 4722, RED 4519, MAE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.</td>
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<tr>
<td>MUE 3451</td>
<td>CAH-MUSIC</td>
<td>Woodwind Techniques I: PR: MUE 2450, MUE24, major. Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.</td>
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<tr>
<td>MUE 3461</td>
<td>CAH-MUSIC</td>
<td>Brass Techniques II: PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.</td>
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<tr>
<td>MUE 3693</td>
<td>CAH-MUSIC</td>
<td>Technology in Music Education: PR: MUE 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring.</td>
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<tr>
<td>MUE 3942</td>
<td>CAH-MUSIC</td>
<td>Music Education I: PR: MUE 2331, MUE 2332, EGD 4410, TSL 4080, EDF 4603 and RED 4045. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. Fall, Spring.</td>
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<tr>
<td>MUE 4311</td>
<td>CAH-MUSIC</td>
<td>Elementary School Music Methods: PR: Junior standing, MUE24, major. Organization and administration of instruction for comprehensive music education, K-6; instructional planning, techniques, and materials for elementary music education. Fall.</td>
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<tr>
<td>MUE 4330</td>
<td>ED-TLP</td>
<td>Secondary School Music Methods: PR: MUE 4311 or C.I. Instructional planning, techniques and materials in middle school, junior high and senior high classrooms; consideration of general music education program, evaluation materials and procedures. Spring.</td>
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<tr>
<td>MUE 4333</td>
<td>CAH-MUSIC</td>
<td>Secondary Choral Methods I: PR: MUE 2470 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.</td>
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<tr>
<td>MUE 4332</td>
<td>CAH-MUSIC</td>
<td>Secondary Instrumental Methods I: PR: MUE 2440. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Odd Spring.</td>
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<tr>
<td>MUE 4392</td>
<td>CAH-MUSIC</td>
<td>Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.</td>
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<tr>
<td>MUE 4481</td>
<td>CAH-MUSIC</td>
<td>Jazz Pedagogy: PR: Music major, MUT 1122 and C.I. Methods, materials, and resources for teaching jazz ensembles and improvisation at the secondary school level. Occasional.</td>
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<tr>
<td>MUE 5921</td>
<td>CAH-MUSIC</td>
<td>Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.</td>
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<tr>
<td>MUG 3104</td>
<td>CAH-MUSIC</td>
<td>Basic Conducting: PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. Fall.</td>
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<tr>
<td>MUG 4103C</td>
<td>CAH-MUSIC</td>
<td>Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Occasional.</td>
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<td>MUI 2017</td>
<td>CAH-MUSIC</td>
<td>Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content. Even Fall.</td>
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<td>MUI 2019</td>
<td>CAH-MUSIC</td>
<td>American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.</td>
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<tr>
<td>MUI 2071C</td>
<td>CAH-MUSIC</td>
<td>World Music Survey and Performance Laboratory: PR: MUT 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. Occasional.</td>
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<tr>
<td>MUI 3321</td>
<td>CAH-MUSIC</td>
<td>Music History and Literature I: PR: MUT 1122. History of Western European art music from Antiquity to 1750. Fall.</td>
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MUH 3212 CAH-MUSIC 3(3,0)  
Music History and Literature II: PR: MUT 1122. History of Western European and American art music from 1750 to present day. Spring.

MUH 4218 CAH-MUSIC 1(1,0)  

MUH 4322 CAH-MUSIC 3(3,0)  
Medieval and Renaissance Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 450-1600. Even Fall.

MUH 4341 CAH-MUSIC 3(3,0)  

MUH 4351 CAH-MUSIC 3(3,0)  
Eighteenth-Century Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.

MUH 4361 CAH-MUSIC 3(3,0)  
Music of the 18th Century: PR: MUH 3211 and MUH 3212 with grades of "C" or higher in each. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0)  
Music Since 1900: PR: MUH 3211, MUH 3212, or C.I. Western art music since 1900. Odd Fall.

MUH 4814 CAH-MUSIC 3(3,0)  
Jazz Styles and Analysis: PR: MUT 3171 and MUL 2016, or C.I. Historical style periods and master artists in jazz music. Odd Spring.

MUH 5326 CAH-MUSIC 3(3,0)  
Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0)  
Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC 3(3,0)  
Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.

MUH 5365 CAH-MUSIC 3(3,0)  
Music of the 18th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 18th Century. Odd Fall.

MUH 5375 CAH-MUSIC 3(3,0)  
Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American art Music from c. 1900 to the present. Occasional.

MUH 5816 CAH-MUSIC 3(3,0)  
Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC 3(2,1)  
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.
MUN 3443 CAH-MUSIC 1(0,2) Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $35.00

MUN 3444 CAH-MUSIC 1(1,0) Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall. Odd Spring. M&S fee: $35.00

MUN 3453 CAH-MUSIC 1(0,3) Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring, M&S fee: $20.00

MUN 3483 CAH-MUSIC 1(0,2) String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3487 CAH-MUSIC 1(0,2) Guitar Ensemble: PR: Audition or C.I. Study and performance of music for multiple guitars. Odd Spring. M&S fee: $20.00

MUN 3713 CAH-MUSIC 1(0,4) Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring, M&S fee: $20.00

MUN 3714 CAH-MUSIC 1(0,2) Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3723 CAH-MUSIC 1(0,3) Vocal-Jazz Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.

MUN 3813 CAH-MUSIC 1(1,1) Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 4476 CAH-MUSIC 1(0,2) Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 5125 CAH-MUSIC 1(0,3) Concert Band: PR: Open to all graduate students by audition. Preparation and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5145 CAH-MUSIC 1(0,4) Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5215 CAH-MUSIC 1(0,5) Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertory. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5325 CAH-MUSIC 1(0,3) Women’s Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women’s voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5368L CAH-MUSIC 1(0,3) Graduate Madrigal Singers: PR: Graduate standing in Music Education and C.I. Study of varied literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $20.00

MUN 5385L CAH-MUSIC 1(0,3) Governor University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of large ensemble music. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $20.00

MUN 5445 CAH-MUSIC 1(0,2) Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $35.00

MUN 5465L CAH-MUSIC 1(0,2) Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $20.00

MUN 5478L CAH-MUSIC 1(0,3) Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $5.00

MUN 5715L CAH-MUSIC 1(0,4) Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee: $20.00

MUN 5716L CAH-MUSIC 1(0,2) Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee: $20.00

MUN 5803L CAH-MUSIC 1(0,3) Wind Ensemble: PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5505L CAH-MUSIC 1(0,3) Graduate Opera Workshop: PR: C.I. and audit. Study of opera, techniques, vocal repertoire and characterization. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $45.00

MUS 3254 CAH-MUSIC 2(2,0) Italian and French Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the Italian and French languages. Odd Spring.

MUS 3255 CAH-MUSIC 2(2,0) German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3953 CAH-MUSIC 1(0,1) Recital Performance I: PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC 3(3,0) Music Business and Industry: PR: MUS 2360C or C.I. Today’s music industry copyright, publishing, contracts and licensing. Odd Spring.


MUS 4900 CAH-MUSIC 3(3,0) Music BA Capstone Project: PR: C.I. Self-designed project, completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.

MUS 4905 CAH-MUSIC 1-4(1-4) Directed Experience: PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4954 CAH-MUSIC 0(1,0) Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 5365 CAH-MUSIC 3(3,0) Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. Occasional.

MUS 5677 CAH-MUSIC 3(3,0) Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.


MUT 1004 CAH-MUSIC 3(3,0) Fundamentals of Music I: Basic music theory and reading music at the keyboard. Fall.

MUT 1121 CAH-MUSIC 4(2,3) Music Theory and Musicianship I: PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC 4(2,3) Music Theory and Musicianship II: PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.
MUT 2126 CAH-MUSIC 4(2,3)  
**Music Theory and musicianship III:** PR: MUT 2125 or C.I. Continuation of MUT 2125. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Fall.

MUT 2127 CAH-MUSIC 4(2,3)  
**Music Theory and musicianship IV:** PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2128 CAH-MUSIC 3(0,3)  
**Jazz Theory I:** PR: MUT 2122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3170 CAH-MUSIC 3(3,0)  
**Jazz Theory II:** PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3171 CAH-MUSIC 3(3,0)  
**Jazz Workshop:** PR: MUT 3171 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUT 4031 CAH-MUSIC 1(1,0)  
**Review of Music Theory:** PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

MUT 4311 CAH-MUSIC 3(3,0)  
**Orchestration:** PR: MUS 2360C and MUT 2127. 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. Counterpoint in Western music from the 10th to the 20th Centuries. Even Spring.

MUT 4571 CAH-MUSIC 3(3,0)  
**Analysis of Twentieth-Century Music:** PR: MUT 2127 or equivalent. Techniques of analysis for various styles of twentieth-century music. Odd Fall.

MUT 5381 CAH-MUSIC 3(3,0)  
**Arranging and Composing Music:** PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Even Fall.

MUT 5936 CAH-MUSIC 3(3,0)  
**Music Theory Seminar:** PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Occasional.

MVB 1211 CAH-MUSIC 1(0,1)  
**Secondary Trumpet:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1212 CAH-MUSIC 1(0,1)  
**Secondary French Horn:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in French horn. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1213 CAH-MUSIC 1(0,1)  
**Secondary Trombone:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trombone. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1214 CAH-MUSIC 1(0,1)  
**Secondary Baritone:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in baritone. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1215 CAH-MUSIC 1(0,1)  
**Secondary Tuba:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC 2(1,1)  
**Trumpet I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1)  
**French Horn I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1)  
**Trombone I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1)  
**Baritone I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)  
**Tuba I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1)  
**Trumpet II:** PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1)  
**French Horn II:** PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1)  
**Trombone II:** PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1)  
**Baritone II:** PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1)  
**Tuba II:** PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2(3,1)  
**Secondary French Horn:** PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3432 CAH-MUSIC 2(3,1)  
**French Horn III:** PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3433 CAH-MUSIC 2(3,1)  
**Trombone III:** PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3434 CAH-MUSIC 2(3,1)  
**Euphonium III:** PR: MVB 2424 and competence determined by faculty jury. Continued study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3435 CAH-MUSIC 2(3,1)  
**Tuba III:** PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4444 CAH-MUSIC 4(1,1)  
**French Horn IV:** PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4445 CAH-MUSIC 4(1,1)  
**Tuba IV:** PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 5451 CAH-MUSIC 2(1,0)  
**Trumpet V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5452 CAH-MUSIC 2(1,0)  
**French Horn V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5453 CAH-MUSIC 2(1,0)  
**Trombone V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
UCF Courses and Descriptions

MVJ 1010 CAH-MUSIC 2(1,1)
Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1213 CAH-MUSIC 2(1,1)
Jazz Guitar I: PR: Music major or C.I. Scales, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1214 CAH-MUSIC 2(1,1)
Jazz Bass I: PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1219 CAH-MUSIC 2(1,1)
Jazz Drum Set I: PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2220 CAH-MUSIC 2(1,1)
Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010. Scale Studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2223 CAH-MUSIC 2(1,1)
Jazz Guitar II: PR: MVJ 1213. Continuation of MVJ 1213. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2224 CAH-MUSIC 2(1,1)
Jazz Bass II: PR: MVJ 1214. Continuation of MVJ 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2229 CAH-MUSIC 2(1,1)
Jazz Drum Set II: PR: MVJ 1219. Continuation of MVJ 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3230 CAH-MUSIC 3(1,1)
Jazz Piano III: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3233 CAH-MUSIC 3(1,1)
Jazz Guitar III: PR: MVJ 2223. Continuation of MVJ 2223. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3234 CAH-MUSIC 3(1,1)
Jazz Bass III: PR: MVJ 2224. Continuation of MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3339 CAH-MUSIC 3(1,1)
Jazz Drum Set III: PR: MVJ 2229. Continuation of MVJ 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4240 CAH-MUSIC 4(1,1)
Jazz Piano IV: PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4243 CAH-MUSIC 4(1,1)
Jazz Guitar IV: PR: MVJ 3233. Continuation of MVJ 3233. Scales, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4244 CAH-MUSIC 4(1,1)
Jazz Bass IV: PR: MVJ 3234. Continuation of MVJ 3234. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4349 CAH-MUSIC 4(1,1)
Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 5350C CAH-MUSIC 2(1,1)
Jazz Piano V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz piano literature, styles, and techniques. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVJ 5353C CAH-MUSIC 2(1,1)
Jazz Guitar V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz guitar literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5354C CAH-MUSIC 2(1,1)
Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5359C CAH-MUSIC 2(1,1)
Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring. M&S fee: $55.00

MVK 1111 CAH-MUSIC 1(0,2)
Class Piano I: Class instruction for beginning piano students. Not open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1112 CAH-MUSIC 1(0,2)
Class Piano II: PR: MVK 1111. Study of methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of procedures. May be repeated for credit. Fall, Spring.

MVK 1113 CAH-MUSIC 1(0,2)
Class Piano III: PR: MVK 1112, Music major or C.I. Secondary Piano: Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVK 1411 CAH-MUSIC 2(1,1)
Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 1800 CAH-MUSIC 2(0,0)
Keyboard Class I: Keyboard training for non-Music students with no prior keyboard training. Fall, Spring.

MVK 1801 CAH-MUSIC 2(0,0)
Keyboard Class II: PR: MVK 1800. Continuation of Keyboard class I. Occasional.

MVK 2121 CAH-MUSIC 1(0,2)
Class Piano III: PR: MVK 1112, Music major or C.I. Advanced Secondary Instruction: PR: Grade standing or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVK 2122 CAH-MUSIC 1(0,2)
Class Piano IV: PR: Music major, MVK 2112 or C.I. Advanced percussion ensemble. Advanced instruction in percussion, intended for non-music majors. May be repeated for credit. Fall, Spring.

MVK 2421 CAH-MUSIC 2(1,1)
Piano II: PR: MVK 3431 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.

MVK 4441 CAH-MUSIC 4(1,1)
Piano IV: PR: MVK 3431 and competence determined by faculty jury. Intensive advanced performance study of the piano, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVK 4640 CAH-MUSIC 1(1,0)
Piano Pedagogy I: PR: C.I. Methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels. May be repeated for credit. Odd Spring.

MVK 4641 CAH-MUSIC 1(1,0)
Piano Pedagogy II: PR: C.I. Continuation of MVK 4640. Emphasis on intermediate through advanced levels. May be repeated for credit. Odd Spring.

MVK 4960 CAH-MUSIC 0(1,0)
Piano Proficiency Exam: PR: C.I. Demonstration of piano skills in basic repertoire, sight-reading, harmonization and transposition. Required of Music majors. Graded SU. May be used in the degree program a maximum of 2 times. Fall, Spring.

MVK 5451 CAH-MUSIC 2(1,0)
Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVK 5453 CAH-MUSIC 2(1,0)
Organ V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Odd Spring.

MVK 5457 CAH-MUSIC 2(1,0)
Advanced Secondary Instruction: PR: Grade standing or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVO 1214 CAH-MUSIC 1(0,1)

MVO 5250 CAH-MUSIC 1(1,0)
Advanced Secondary Instruction: PR: Grade standing or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVP 1211 CAH-MUSIC 1(0,1)
Secondary Percussion: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in percussion, intended for non-music majors. May be repeated for credit. Occasional. M&S fee: $35.00

MVP 1411 CAH-MUSIC 2(1,1)
Percussion I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVP 2421 CAH-MUSIC 2(1,1)
Percussion II: PR: MVP 1411 and competence determined by faculty jury. Continuation of MVP 1411. May be repeated for credit. Fall, Spring. M&S fee: $35.00
MVP 3431 CAH-MUSIC 2-3(1,1)  
**Percussion III:** PR: MVP 2421 and competence determined by faculty jury. Continued study of performance skills of percussion, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee: $35.00

MVP 3630 CAH-MUSIC 2(2,0)  
**Percussion Pedagogy:** PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall, Spring.

MVP 4441 CAH-MUSIC 4(1,1)  
**Percussion IV:** PR: MVP 3431 and competence determined by faculty jury. Intensive advanced performance study of percussion for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVP 5451 CAH-MUSIC 2(1,0)  
**Percussion V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&S fee: $35.00

MVS 1211 CAH-MUSIC 1(0,1)  
**Secondary Violin:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1212 CAH-MUSIC 1(0,1)  
**Secondary Viola:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in viola. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1213 CAH-MUSIC 1(0,1)  
**Secondary Cello:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in cello. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1214 CAH-MUSIC 1(0,1)  
**Secondary Bass:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bass. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 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 competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2-3(1,1)  
**Violin III:** PR: MVS 2421 and competence determined by faculty jury. Continuation of performance skills of the violin. Additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3432 CAH-MUSIC 2-3(1,1)  
**Viola III:** PR: MVS 2422 and competence determined by faculty jury. Continuation of performance skills of the viola. Additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC 2-3(1,1)  
**Cello III:** PR: MVS 2423 and competence determined by faculty jury. Continuation of performance skills of the cello. Additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2-3(1,1)  
**Bass III:** PR: MVS 2424 and competence determined by faculty jury. Continuation of the performance skills of the string bass and additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC 2-3(1,1)  
**Harp III:** PR: MVS 2425 and competence determined by faculty jury. Continuation of performance skills of the harp and additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC 2-3(1,1)  
**Guitar III:** PR: MVS 2426 and competence determined by faculty jury. Continuation of performance skills of the guitar and additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4441 CAH-MUSIC 4(1,1)  
**Violin IV:** PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the violin. Additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4442 CAH-MUSIC 4(1,1)  
**Viola IV:** PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the viola. Additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4443 CAH-MUSIC 4(1,1)  
**Cello IV:** PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello. Additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1)  
**Bass IV:** PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the string bass. Additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4445 CAH-MUSIC 4(1,1)  
**Harp IV:** PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp. Additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 5451 CAH-MUSIC 2(1,0)  
**Violin V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC 2(1,0)  
**Viola V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC 2(1,0)  
**Cello V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC 2(1,0)  
**Bass V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC 2(1,0)  
**Harp V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC 2(1,0)  
**Guitar V:** PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 1111 CAH-MUSIC 1(0,1)  
**Class Voice:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in voice. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1411 CAH-MUSIC 2(1,1)  
**Violin I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 2(1,1)  
**Viola I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1)  
**Cello I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1)  
**Bass I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 2(1,1)  
**Harp I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC 2(1,1)  
**Guitar I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1411 CAH-MUSIC 2(1,1)  
**Voice I:** PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1873 CAH-MUSIC 1(0,1)  
**Secondary Voice:** PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in voice. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1)  
**Voice II:** PR: MVP 1411 and competence determined by faculty jury. Continuation of performance study of the voice and additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
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MVF 3431 CAH-MUSIC 2(3,1)
Voice II: PR: MVV 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 4441 CAH-MUSIC 4(1,1)
Voice IV: PR: MVV 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 4640 CAH-MUSIC 2(2,0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVF 4641 CAH-MUSIC 1(1,0)
Voice Pedagogy II: PR: C.I. Continuation of MVV 4640. Intermediate to advanced levels. May be repeated for credit. Odd Spring.

MVF 5451 CAH-MUSIC 2(1,0)
Voice V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVF 1211 CAH-MUSIC 1(0,1)

MVF 1212 CAH-MUSIC 1(0,1)

MVF 1213 CAH-MUSIC 1(0,1)

MVF 1214 CAH-MUSIC 1(0,1)

MVF 1215 CAH-MUSIC 1(0,1)

MVF 1411 CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVF 1412 CAH-MUSIC 2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVF 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVF 1414 CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MVF 1415 CAH-MUSIC 2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVF 2421 CAH-MUSIC 2(1,1)
Flute II: PR: MVV 1411 and competence determined by faculty jury. Continuation of MVV 1411. May be repeated for credit. Fall, Spring.

MVF 2422 CAH-MUSIC 2(1,1)
Oboe II: PR: MVV 1412 and competence determined by faculty jury. Continuation of MVV 1412. May be repeated for credit. Fall, Spring.

MVF 2423 CAH-MUSIC 2(1,1)
Clarinet II: PR: MVV 1413 and competence determined by faculty jury. Continuation of MVV 1413. May be repeated for credit. Fall, Spring.

MVF 2424 CAH-MUSIC 2(1,1)
Bassoon II: PR: MVV 1414 and competence determined by faculty jury. Continuation of MVV 1414. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MVF 2425 CAH-MUSIC 2(1,1)
Saxophone II: PR: MVV 1415 and competence determined by faculty jury. Continuation of MVV 1415. May be repeated for credit. Fall, Spring.

MVF 2431 CAH-MUSIC 2-3(1,1)
Flute III: PR: MVV 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 2432 CAH-MUSIC 2-3(1,1)
Oboe III: PR: MVV 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 2433 CAH-MUSIC 2-3(1,1)
Clarinet III: PR: MVV 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 2434 CAH-MUSIC 2-3(1,1)
Bassoon III: PR: MVV 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 2435 CAH-MUSIC 2-3(1,1)
Saxophone III: PR: MVV 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 2441 CAH-MUSIC 4(1,1)
Flute IV: PR: MVV 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 2442 CAH-MUSIC 4(1,1)
Oboe IV: PR: MVV 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 2443 CAH-MUSIC 4(1,1)
Clarinet IV: PR: MVV 3433 and competence determined by faculty jury. Intensive performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 2444 CAH-MUSIC 4(1,1)
Saxophone IV: PR: MVV 3434 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 4445 CAH-MUSIC 4(1,1)
Saxophone V: PR: MVV 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVF 5451 CAH-MUSIC 2(1,0)
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVF 5452 CAH-MUSIC 2(1,0)
Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVF 5453 CAH-MUSIC 2(1,0)
Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVF 5454 CAH-MUSIC 2(1,0)
Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVF 5455 CAH-MUSIC 2(1,0)

MVF 5456 CAH-MUSIC 2(1,0)

MVF 5457 CAH-MUSIC 2(1,0)

MVF 5458 CAH-MUSIC 2(1,0)

MVF 5459 CAH-MUSIC 2(1,0)

NGR 5003 CON-NURS 2(2,0)

NGR 5003L CON-NURS 1(0,1)
Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: CR: NGR 5141; CR: NGR 5003L. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Fall, Spring. M&S fee: $45.00

NGR 5090 CON-NURS 3(3,0)
Urgent Care for the Advanced Practice Nurse: PR: NGR 6240 or C.I. Advanced practice evaluation and management of clients in urgent care settings. Occasional.

NGR 5141 CON-NURS 3(3,0)
Pathophysiological Bases for Advanced Nursing Practice: PR: Baccalaureate degree in Nursing. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. Fall, Spring.

NGR 5638 CON-NURS 3(3,0)
Health Promotion: PR: Admission to MSN or Nursing Certificate program or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. Fall, Spring.

NGR 5660 CON-NURS 3(3,0)
Health Disparities: Issues and Strategies: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations: data, research, programmatic issues, and strategies to close the gaps. Occasional.

NGR 5690 CON-NURS 3(3,0)
Interdisciplinary Care at End-of-Life: PR: Graduate status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families, and caregivers to approach end-of-life free from avoidable distress and suffering. Fall, Spring.
NUR 5720 CON-NURS 3(3,0) Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. Fall.

NUR 5745 CON-NURS 1(1,0) Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5883 and NGR 5891. Admission to MSN program or C.I. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.

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. 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, communication strategies, and decision-making models. Fall.

NUR 5883 CON-NURS 1(1,0) Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing: PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. Fall, Spring.

NUR 5891 CON-NURS 1(1,0) Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall, Spring.

NUR 5894C CON-NURS 3(2,1) International Perspectives of Global Health: PR: Graduating senior or C.I. An analysis of global health in comparison with that of USA and other nation’s health care systems. Occasional.

NUR 1015 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.

NUR 3028 CON-NURS 2(2,0) Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3038 and NUR 3038L. Racial and cultural diversity, and health promotion for a variety of age groups. Concepts and nursing care applications of the biopsychosocial model. Fall.

NUR 3028L CON-NURS 1(0,2) Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3038 and NUR 3038L. Racial and cultural diversity, and health promotion for a variety of age groups. Concepts and nursing care applications of the biopsychosocial model. Fall.

NUR 3065 CON-NURS 2(2,0) Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring.

NUR 3065L CON-NURS 1(0,1) Health Assessment Lab: CR: NUR 3665 and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee: $15.00

NUR 3125 CON-NURS 3(3,0) Pathophysiology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Concepts and nursing care applications of the pathophysiological basis of illness. Fall.

NUR 3145 CON-NURS 3(3,0) Pharmacology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L; NUR 3125; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. Fall.

NUR 3165 CON-NURS 3(3,0) Nursing Research: PR: Admission to the BSN program; STA 2043 or 2043S; Basic program students: successful completion of the first semester; for RN to BSN students: NUR 3805 and RN status; or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.

NUR 3165H CON-NURS 3(3,0) Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. 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: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall.

NUR 3225L CON-NURS 2(0,6) Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3445; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for individuals experiencing health risks, short-term illness, or chronic health problems. Graded SU. Fall, Spring. M&S fee: $45.00

NUR 3445 CON-NURS 3(3,0) Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3445; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. Fall.

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 3125; NUR 3445; NUR 3445L. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded SU. Fall, Spring. M&S fee: $45.00

NUR 3634 CON-NURS 3(3,0) Community Health Nursing: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L, NUR 3755L; NUR 3045 and NUR 3045L; NUR 3825; NUR 3834. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall.

NUR 3634L CON-NURS 2(0,6) Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L, NUR 3755L; NUR 3045 and NUR 3045L; NUR 3825; NUR 3834. Community health nursing concepts of community as client, and levels of prevention across the lifespan. Graded SU. Fall, Spring. M&S fee: $45.00

NUR 3755L CON-NURS 2(0,6) Essentials of Nursing Practice Clinical: PR: Admission to BSN Program. CR: NUR 3028 and NUR 3028L, NUR 3045 and NUR 3045L; NUR 3825, NUR 3834 and NUR 3834L. Application of the nursing process, scientific and evidence-based practices in the nursing care of clients in long-term care. Graded SU. Fall, Spring. M&S fee: $45.00


NUR 3805 CON-NURS 3(3,0) Dimensions of Professional Nursing Practice: PR: Admission to MSN program or C.I. ENC 1102. Theoretical bases of professional nursing practice for RN to BSN students. Fall, Spring.

NUR 3806 CON-NURS 1(1,0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of literature utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Spring.

NUR 3825 CON-NURS 2(2,0) The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.

NUR 3826H CON-NURS 3(3,0) Bioethical and Legal Issues in Health Care -Honors: PR: Permission of Instructors. Includes questions concerning human values, legal and ethical questions arising in health care delivery policy issues and professional issues surrounding licensed health care professionals. Occasional.

NUR 3936 CON-NURS 3(2,2) International Perspectives of Nursing and Health Care: PR: Enrollment in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3,0) Holistic Nursing: Explore lived experience of health-wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4227 CON-NURS 4(4,0) Nursing Care of the Adult II: PR: Admission to the BSN program. CR: Successful completion of the first two semesters in the nursing curriculum. NUR 4227L. NUR 4538; NUR 4538L. Concepts of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit. Occasional.

UCF Courses and Descriptions
NUR 4227L CON-NURS 3(0,3) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program; C.R: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.

NUR 4257 CON-NURS 3(3,0) Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

NUR 4286 CON-NURS 3(3,0) Gerontologic Nursing: PR: NUR 4260 or RN status or C.I. Theories and principles related to the promotion of health, independence, and restoration of health in older adults in various settings. Occasional.

NUR 4493 CON-NURS 3(3,0) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN licensure, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.

NUR 4516 CON-NURS 3(3,0) Crisis Intervention: PR: Completion of PSY 2012, SYG 2040, or C.I. Crisis theory and techniques; recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions. Occasional.

NUR 4535 CON-NURS 3(3,0) Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS 2 (0,2) Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535; NUR 4227; NUR 4227L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Fall, Spring.

NUR 4450 CON-NURS 3(3,0) Family and Interpersonal Violence: Perspectives for Nurses: PR: PSY 2012, SYG 2040 and enrollment in a nursing program or C.I. Family and interpersonal violence education to increase effective nursing responses including history, categories, cycles, laws, intervention, nursing resources, protocols and resources. Occasional.

NUR 4604L CON-NURS 4(0,12) Practicum in Community and Public Health Nursing for RNs: PR: NUR 3634. CR: NUR 4837, NUR 4827, and NUR 4607. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS 2(2,0) Public Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L, Nursing Practicum; NUR 4637L; NUR 4257. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0,1) Public Health Nursing Clinical: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L, Directed Practice; NUR 4637; NUR 4257. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4607. Public Health Nursing. Fall, Spring.
PAD 3003 HPA-PUB 3(3,0)
Public Administration in American Society: PR: POS 204L. An examination of the basic environment, culture, and organization of public administration in the United States. Fall, Spring.

PAD 3040 HPA-PUB 3(3,0)
Ethics and Values in Public Administration: PR: Junior standing or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3,0)
Urban and Regional Planning: PR: PAD 3003 or C.I. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. Fall, Spring.

PAD 3930 HPA HPA 1(1,0)
American Humanities Human Service Workshop: PR: Enrollment in American Humanities Minor or National Certificate Program through American Humanities Program office. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be repeated for credit. Fall, Spring.

PAD 4034 HPA-PUB 3(3,0)
The Administration of Public Policy: PR: ECO 2023. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0)
Administrative Theory: A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4110 HPA-PUB 3(3,0)
Intergovernmental Administration: Various approaches to studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4131 HPA-PUB 3(3,0)
Public Sector Project Management: Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.

PAD 4144 HPA-PUB 3(3,0)
Non-Profit Organizations: PR: PAD 3003 or C.I. The study of management, operations of non-profit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0)
Resource Development in the Nonprofit Sector: PR: Junior status or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3,0)
Volunteer Management: PR: Junior status or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. Spring.

PAD 4153 HPA-PUB 3(3,0)
Planning and Improvement for Pub Org: Prepare future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4204 HPA-PUB 3(3,0)
Fiscal Management: PR: C.I. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. Fall, Spring.

PAD 4223 HPA-PUB 3(3,0)
Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysis, focusing on the process of generating and using information. Occasional.

PAD 4253 HPA-PUB 3(3,0)
Community & Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4325 HPA-PUB 3(3,0)
Program Evaluation for Public and Non-Profit Organizations: PR: PAD 3003 or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. Spring.

PAD 4331 HPA-PUB 3(3,0)
Land Use and Planning: PR: PAD 3330 or C.I. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334 HPA-PUB 3(3,0)
Urban Design: CR: PAD 3330 or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. Spring.

PAD 4351 HPA-PUB 3(3,0)
Issues in Environmental Program Management: CR: PAD 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4390 HPA-PUB 3(3,0)
Hazard Mitigation and Preparedness: PR: PR or CR: PAD 4392. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 4392 HPA-PUB 3(3,0)
Emergency Management and Homeland Security: PR: PAD 3003 or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. Fall.

PAD 4395 HPA-PUB 3(3,0)
Disaster Response and Recovery: PR: PR or CR: PAD 4392. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. Spring.

PAD 4414 HPA-PUB 3(3,0)
Public Personnel Administration: The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

PAD 4446 HPA-PUB 3(3,0)
Multiculturalism in Public Administration: PR: PAD 3003 or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4461 HPA-PUB 3(3,0)
Reengineering Government: PR: PAD 3003. Acquaint undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organizations via reengineering. Occasional.

PAD 4616 HPA-PUB 3(3,0)
Privatization: PR: PAD 3003 or C.I. Analysis of the process of privatizing existing governmental services. Including privatization decision, creation of RFP or ITB, contract award and contract management. Occasional.

PAD 4712 HPA-PUB 3(3,0)
Information Systems for Public Managers and Planners: PR: PAD 3330 or C.I. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB 3(3,0)
Survey Research in Public Administration: Introduction to the concepts, design, methodology, computer applications, and data analyses in applied research in the public sector. Fall, Spring.

PAD 4803 HPA-PUB 3(3,0)
Issues in Urban Administration: CR: PAD 3330 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4941 HPA-PUB 3-6(0,6)
Public Administration Internship: PR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. Occasional.

PAD 4948 HPA-PUB 3(3,0)
American Humanities Internship: PR: Enrollment in American Humanities AH Certification Program, completion of 2 AH restricted course electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanities certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0)
Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5060 HPA-PUB 3(3,0)
Administrative Practice in the Public Sector: The application of various theoretical concepts to the “real world” of public administration. Policy formulation and execution are examined through the case study model. Occasional.

PAD 5145 HPA-PUB 3(3,0)
Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree. Nonprofit Certificate or C.I. Volunteer development in nonprofit organizations, including board selection, development and leadership, volunteer recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.

PAD 5146 HPA-PUB 3(3,0)

PAD 5336 HPA-PUB 3(3,0)
Introduction to Urban Planning: Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. Fall.

PAD 5337 HPA-PUB 3(3,0)
Urban Design: Planning techniques such as planned unit developments, capital improvements planning, and growth management, and planning methods, including needs assessment and graphic design. Fall.
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PAD 5338  HPA-PUB  3(3,0)
Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.

PAD 5356  HPA-PUB  3(3,0)
Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425  HPA-PUB  3(3,0)
Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427  HPA-PUB  3(3,0)

PAD 5807  HPA-PUB  3(3,0)
Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. Occasional.

PAD 5850  HPA-PUB  3(3,0)
Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree, Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAF 2102  HPA-HPA  2(2,0)
Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.

PAF 3753H  HPA-HPA  3(3,0)

PAF 3850H  HPA-HPA  3(3,0)

PAF 4754  HPA-PUB AFF  3(3,0)
Interdisciplinary Leadership in Public Affairs: PR: Junior standing and ENC 1101 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. Occasional.

PAZ 5225  COS-BIOL  3(3,0)

PCB 3023  COS-BIOL  3(3,0)

PCB 3024L  COS-BIOL  2(0,8)
Molecular Cell Biology Laboratory: PR: or CR: PCB 3024. Critical thinking, technical skills, and integration of biochemical, molecular, and microscopic experimental approaches to understanding cell structure and function. Occasional.

PCB 3044  COS-BIOL  3(3,0)

PCB 3044L  COS-BIOL  1(0,3)
Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall. M&S fee: $15.00

PCB 3063  COS-BIOL  3(3,0)
Genetics: PR: BSC 2010C and CHM 2046, or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.

PCB 3063H  COS-BIOL  3(3,0)
Honors Genetics: PR: BSC 2010C and CHM 2046, or C.I., and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

PCB 3063L  COS-BIOL  1(0,3)
Genetics Laboratory: PR: or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. Fall, Spring. M&S fee: $28.00

PCB 3233  COM-M&M  3(3,0)
Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immunotherapy. Fall.

PCB 3233L  COM-M&M  1(0,3)
Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee: $45.00

PCB 3301C  COS-BIOL  4(3,4)

PCB 3304C  COS-BIOL  4(2,4)

PCB 3314  COS-BIOL  3(3,0)

PCB 3355C  COS-BIOL  2(1,1)
Tropical Marine Biology: PR: BSC 2010C and BSC 2011C or C.I. Intensive, one week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.

PCB 3442  COS-BIOL  3(3,0)

PCB 3522  COM-M&M  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 3703C  COM-M&M  4(3,3)
Human Physiology: PR: BSC 2010C, CHM 3032 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&S fee: $35.00

PCB 3703H  COM-M&M  4(3,3)
Human Physiology Honors: PR: BSC 2010C, CHM 2046 and consent of Honors College. The physiology and interrelationships of organ systems of the human body. With honors level content. Fall.

PCB 4026  COM-M&M  3(3,0)
Molecular and Cellular Pharmacology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

PCB 4174  COM-M&M  3(3,0)

PCB 4235  COM-M&M  3(3,0)

PCB 4239  COM-M&M  3(3,0)
Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. Spring.

PCB 4251  COM-M&M  3(3,0)
Tissue Engineering: PR: MCB 3020C or CHM 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. Occasional.

PCB 4264  COM-M&M  3(3,0)
Stem Cell Biology: PR: PCB 3522 or PCB 3023. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 4302C  COS-BIOL  4(3,4)
Physiochemical Limnology: PR: BSC 2010C and BSC 2011C, or C.I. Limnology and methods for freshwater ecosystem, with respect to physical, and chemical parameters. Occasional. M&S fee: $15.00

PCB 4303C  COS-BIOL  4(3,4)

PCB 4353  COS-BIOL  3(3,0)
Florida Natural History: PR: BSC 2010C and BSC 2011C, or C.I. Florida’s ecology, past and present flora and fauna, and naturalists who visited the state. Occasional.

PCB 4514  COS-BIOL  3(3,0)
Genetics II: PR: PCB 3063. Advanced topics in Genetics, including extra-nuclear inheritance, epigenesis, gene and chromosome mutation, genetics of development and behavior, and advanced genetic analytical techniques. Occasional.

PCB 4524  COM-M&M  3(3,0)

PCB 4524H  COM-M&M  3(3,0)
Molecular Biology II-Honors: PR: Permission of Honors and PCB 3522. Same as PCB 4524 with honors level content. Spring.

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PCB 4529  COM-M&M  3(3,0)  

PCB 4678  COS-BIOL  3(3,0)  
Evolution and Medicine: PR: PCB 4683 or C.I. Evolutionary theory and perspectives to investigate problems in human health and disease. Odd Fall.

PCB 4683  COS-BIOL  4(4,0)  
Evolutionary Biology: PR: A grade of “C” (2.0) or better in PCB 3044 and PCB 3063 or C.I. Demographic and genetic structure of populations and their relationship to specialization, adaptation, and macroevolutionary processes in plants and animals. Fall, Spring.

PCB 4863L  COS-BIOL  1(0,2)  
Evolutionary Biology Lab: PR: or CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. Fall. Spring. M&S fee: $10.00

PCB 4723  COS-BIOL  4(4,0)  
Animal Physiology: PR: PCB 3023 or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. Fall.

PCB 4805  COM-M&M  3(3,0)  

PCB 5025  COM-M&M  3(3,0)  
Molecular and Cellular Pharmacology: PR: Graduate standing, PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

PCB 5045  COS-BIOL  4(4,0)  
Conservation Biology: PR: PCB 3044 and PCB 3063 or C.I. Scientific basis of conservation; conservation of ecosystems, populations, exploited species, and endangered species. Fall. M&S fee: $15.00

PCB 5238  COM-M&M  3(3,0)  
Immunobiology: PR: PCB 3323, PCB 4239. Advanced topics in immune system dysregulation with special emphasis on innate immunity. Spring.

PCB 5239  COM-M&M  3(3,0)  

PCB 5265  COM-M&M  3(3,0)  
Stem Cell Biology: PR: Graduate standing. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 5275  COM-M&M  3(3,0)  
Signal Transduction Mechanics: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. Occasional.

PCB 5326C  COS-BIOL  5(3,2)  
Ecosystems of Florida: PR: PCB 3044, PCB 3044L or equivalent, and graduate status or senior standing or C.I. Ecosystems of Florida will be discussed to include geography, geology, climate, energy, nutrient cycling, community structure and conservation. Occasional. M&S fee: $15.00

PCB 5435C  COS-BIOL  4(2,6)  
Marine Ecology of Florida: PR: BSC 4312C, graduate status or senior standing, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature. Odd Spring. M&S fee: $45.00

PCB 5485  COS-BIOL  3(3,0)  
Models in Ecology: PR: PCB 3044, MAC 2311 (or equivalent), and graduate status or senior standing or C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature. Occasional. M&S fee: $15.00

PCB 5665C  COS-BIOL  4(3,2)  
Human Genetics: PR: PCB 3063, graduate status or senior standing, or C.I. Human Genetics provides a theoretical framework for understanding the biology of the human species. Occasional. M&S fee: $15.00

PCB 5687  COS-BIOL  3(3,0)  
Comparative Endocrinology: PR: PCB 3023 and PCB 3044 or equivalent and C.I. Hormonal regulation of animal behavior and physiological responses to the environment. Even Fall.

PCB 5935  COS-BIOL  3(3,0)  

PCO 4203  COS-PSCYCH  4(3,2)  
Interviewing and Counseling: PR: PSY 2012, PPE 3003, CLI 3143 and C.I. A review of various interviewing and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. Fall, Spring.

PEL 2011  ED-CFCS  2(1,1)  
Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Fall, Spring.

PEL 2011L  ED-CFCS  2(1,1)  
Bowling: A study of the fundamentals of bowling techniques and the development of skills based on those fundamentals. Fall, Spring.

PEL 2112  ED-CFCS  2(1,1)  
Intermediate Bowling: PR: PEL 2111, bowling experience, or average of 140 verified by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

PEL 2124  ED-CFCS  2(1,1)  
Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional. M&S fee: $24.00

PEM 2101  ED-CFCS  2(1,1)  
Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2104  ED-CFCS  3(2,1)  
Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.

PEM 2121C  ED-CFCS  3(1,3)  
Yoga: Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. Fall, Spring.

PEM 2127C  ED-CFCS  2(1,1)  
Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional. M&S fee: $12.00

PEM 2131  ED-CFCS  2(1,1)  
Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring. M&S fee: $10.00

PEM 2134C  ED-CFCS  2(1,1)  
Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional. M&S fee: $5.00

PEM 2171  ED-CFCS  2(1,1)  
Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall, Spring.

PEM 2173  ED-CFCS  2(1,1)  
Step Aerobics: Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2175  ED-CFCS  2(1,1)  
Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 2176C  ED-CFCS  2(1,1)  
Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. Occasional. M&S fee: $6.00

Tae Kwon Do: An analysis and application of the martial arts, as part of an overall physical and mental training system. Occasional.
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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.

PEN 1121 ED-CFCS 2(1,1) Elementary Swimming: For non-swimmers and beginners. Development and study of technique in the basic skills of water safety and swimming. Occasional.

PEO 2011 ED-CFCS 3(2,1) Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring. M&S fee: $5.00

PEO 2031 ED-CFCS 3(2,1) Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring. M&S fee: $9.00

PEO 2623C ED-CFCS 2(1,1) Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PEO 2624 ED-CFCS 3(2,1) Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall.

PEO 3041 ED-CFCS 3(3,0) Games Analysis: PR: Admission to Physical Education program and Jr. Standing or C.I. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Occasional.

PEO 3324 ED-CFCS 3(2,1) Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.


PEP 3205 ED-CFCS 3(2,1) Gymnastics: This course is designed to develop skill proficiency and instructional strategies in gymnastics. Occasional.

PET 2081 ED-CFCS 1(1,0) Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.


PET 3084 ED-CFCS 3(3,0) Triathlon Training and Performance: PR: PEM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.

PET 3125 ED-CFCS 3(3,0) Fitness and Weight Management: PR: Admission to Sport and Fitness Program or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Spring.

PET 3137 ED-CFCS 3(3,0) Concepts & Practices in Sports and Fitness: PR: Admission to the program or C.I. Examination of concepts and practices in sports and fitness. Fall.

PET 3214 COS-PSYCH 3(3,0) Sports Psychology: A review of principles of psychology related to the enhancement of satisfaction and performance in sports. Occasional.


PET 3361 ED-CFCS 3(3,0) Nutrition for Sports and Fitness: PR: ZOO 3736C or C.I. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, and athletic performance in sports and fitness. Fall.

PET 3510C HPA-HP 3(2,1) Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall.

PET 3620 HPA-HP 3(3,0) Principles of Athletic Training: PR: ZOO 3730C or ZOO 3736C and PCB 3730C. Junior standing. Open to Non-coHPA majors. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabs and prevention. Fall. M&S fee: $15.00

PET 3623C HPA-HP 2(2,2) Recognition and Evaluation of Athletic Injuries I: PR: PET 2040. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

PET 3633C HPA-HP 2(1,1) Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C, Junior standing; Open to non-majors. Clinical skills including functional knowledge of muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment skills. Fall. M&S fee: $30.81

PET 3649C HPA-HP 2(1,1) Clinical Skills for Athletic Trainers II: PR: PET 3633C and (ZOO 3733C or ZOO 3736C). Junior standing. Open to all non-majors. Clinical skills, including functional knowledge of upper extremity muscular anatomy; taping and bracing skills; and pharmacological interventions for common general medical conditions and athletic injuries. Spring. M&S fee: $15.00

PET 3670L HPA-HP 4(0,16) Practicum in Athletic Training I: PR: PET 3620. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

PET 3671L HPA-HP 4(0,16) Practicum in Athletic Training II: PR: PET 3670L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

PET 3740C ED-CFCS 2(1,1) Teaching Physical Education in the Secondary and Middle School (6-12): PR: Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

PET 3765 ED-CFCS 3(3,0) Coaching Theory: PR: Admitted to COE or C.I. Theories of coaching team and individual sports. Fall, Spring.

PET 3768 ED-CFCS 3(3,0) Group Exercise Instruction: PR: Admission to the B.S. in Sports and Fitness program or C.I. Required knowledge of a variety of group exercise instruction modalities. Fall, Spring.

PET 3771 ED-CFCS 3(3,0) Fitness and Conditioning Concepts: PR: ZOO 3736C or C.I. The integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

PET 3820 ED-CFCS 3(2,1) Teaching Sports Skills I: PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Occasional.

PET 3940 ED-CFCS 3(3,0) Internship I: PR: EDG 4323; CR: PET 3930. Student teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 3941 ED-CFCS 6(0,16) Internship II: PR: Senior standing, EDG 4323. Satisfactory completion of the portfolio. Internship assignment under a certified physical education teacher. Half in elementary, half in secondary. Occasional.

PET 4002 ED-CFCS 3(1,2) Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, hiking. Occasional.

PET 4050C ED-CFCS 3(2,1) Motor Development and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.

PET 4083 ED-CFCS 3(3,0) Practical Fitness Training: PR: Admission to Sports and Fitness major or Fitness, Coaching, or Recreation minor or C.I. An in-depth study into fitness-related concepts as they are applied to individuals and groups. Even Spring.

PET 4088 ED-CFCS 3(3,0) Physical Activity & Preventive Medicine: PR: ZOO 3736C or C.I. Critical analysis of evidence that exercise training can prevent some diseases and increase quality of life. Occasional.

PET 4215 ED-CFCS 3(3,0) Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.

PET 4312 ED-CFCS 3(2,1) Biomechanics: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall.

PET 4315C HPA-HP 3(2,2) Biomechanics of Sport: PR: PHY 2053C or PHY 2048 & L. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Spring.

PET 4351C ED-CFCS 3(2,1) Applied Exercise and Human Physiology: PR: ZOO 3736C, ZOO 3736C or appropriate human anatomy course. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to physical education and sport. Fall, Spring.
PET 4401  ED-CFCS  3(3,0)  
Administration and Evaluation in Physical Education: This course is designed to address administrative, measurement and evaluation considerations of physical education programs. Fall, Spring.

PET 4550  ED-CFCS  3(2,1)  

PET 4603C  HPA-HP  3(2,2)  
Introduction to Athletic Training: PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. Occasional. M&S fee: $53.50

PET 4604  HPA-HP  3(3,0)  
Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries. Spring.

PET 4606  HPA-HP  3(3,0)  
Applied Fitness in Sport: PR: ZOO 3736C or ZOO 3736C and PCB 3703C, Junior standing. Open to all COHPA majors. Appreciation and clinical application of fitness regarding athletics. Spring.

PET 4624C  HPA-HP  3(2,2)  
Recognition and Evaluation of Athletic Injuries II: PR: PET 3672C. Recognition and evaluation skills required to perform an injury assessment of the lower extremity and spine and provide immediate management. Fall.

PET 4625  ED-CFCS  3(3,0)  

PET 4630C  HPA-HP  4(2,4)  

PET 4632C  HPA-HP  4(2,4)  

PET 4636C  HPA-HP  3(1,2)  
Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. PET 4630C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. Fall.

PET 4640  ED-CFCS  3(3,0)  
Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4660C  HPA-HP  3(3,0)  
Organization and Administration of Athletic Training: PR: PET 3671L. Administrative knowledge in the athletic training profession. Fall.

PET 4672L  HPA-HP  4(0.16)  
Practicum in Athletic Training III: PR: PET 3671L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4673L  HPA-HP  4(0.16)  
Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4674  HPA-HP  1(1,0)  

PET 4710  ED-CFCS  3(3,0)  
Teaching Physical Education K-12: PR: Must be admitted to internship. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for teaching Physical Education. Odd Fall, Even Spring.

PET 4724  ED-CFCS  3(3,0)  
Development and History of Physical Education Curriculum: A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. Occasional.

PET 4763  ED-CFCS  3(3,0)  
Coaching Methods And Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis given to conditioning and leadership styles. Occasional.

PET 4823C  ED-CFCS  3(2,1)  
Teaching Sports Skills II: PR: PET 3820. Skill, proficiency and knowledge to plan, implement and evaluate sports skills. Odd Fall, Even Spring.

PET 4925  ED-CFCS  3-6(0,16)  
Sports and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 23 of the Sports and Fitness program requirements. Field experience in a sports and fitness related organization. Occasional.

PET 4926  ED-CFCS  12(0,35)  
Sports and Fitness Practicum II: PR: Sports & Fitness Practicum I and overall GPA of 2.5. Field experience in a sports and fitness related organization, association, or business. Occasional.

PET 4943  ED-CFCS  12(0,35)  
Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded SU. May be repeated for credit. Occasional.

PET 4945  ED-CFCS  12(0,35)  
Internship III: PR: Must have completed course work in specialization. Satisfactory completion of portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Occasional.

PET 5216  ED-CFCS  3(3,0)  
Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance, measurement and evaluation, and other related topics of interest. Occasional.

PET 5355  ED-CFCS  3(3,0)  
Exercise and Health: PR: Admission to master’s program or certificate program. Will provide educators an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.

PET 5495  ED-CFCS  3(3,0)  
Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. Occasional.

PET 5635  ED-CFCS  3(3,0)  
Advanced Human Injuries: PR: PET 2622C or C.I. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. Occasional.

PET 5766  ED-CFCS  3(3,0)  

PET 5931  ED-CFCS  3(3,0)  
Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. Occasional.

PGY 2401C  CAH-ART  3(3,2)  
Beginning Photography: PR: ART 2201C, ART 2203C or C.I. Introduction to photography with an art emphasis. Fall. M&S fee: $45.00

PGY 3002  CAH-ART  3(3,0)  
Contemporary Photography: PR: ARH 3711 or C.I. Late 20th and 21st century (1970’s-present) contemporary movements in photography, special emphasis on issues and ideas relative to contemporary image making. Occasional.

PGY 3205C  CAH-ART  3(2,4)  
Photographic Lighting Techniques: PR: PGY 2107, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee: $45.00

PGY 3324  CAH-ART  3(3,0)  
The Professional Environment: PR: ARH 3711, PGY 3002, or C.I. The world of professional photography, exploring various topics such as legal and ethical issues, marketing and self-promotion strategies. Occasional.

PGY 3410C  CAH-ART  3(3,2)  

PGY 3451C  CAH-ART  3(2,4)  
Alternative Processes: PR: PGY 4472C or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee: $45.00

PGY 3480  CAH-ART  3(3,0)  
Photographic Exhibition and Display: PR: ARH 3711, PGY 3002, PGY 3324 or C.I. The museum environment, focusing on the acquisition and display of photographic materials as well as curatorial functions facing contemporary museums. Occasional.

PGY 3610C  COS-COMM  3(1,4)  
Photojournalism I: PR: Journalism majors only. Black and white shooting and processing, dark room and computer-based newspaper assignments. 35 MM SLR camera with manual mode required. Fall, Spring. M&S fee: $45.00

PGY 3620C  COS-COMM  3(1,2)  
Photojournalism II: PR: PGY 3610C. The Picture Story. Individual and group projects for extended documentary coverage. Odd Spring. M&S fee: $45.00

PGY 3630  COS-COMM  3(3,0)  
UCF Courses and Descriptions

PGY 3651C CAH-ART 3(2,4) Narrative Editorial Photography: PR: PGY 2655 Editorial Photography or C.I. Explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Fall.

PGY 3653C CAH-ART 3(2,4) Advanced Explorations in Editorial Photography: PR: PGY 3651C. Exploration of imagery created to illustrate articles, including still-life, portrait, documentary, and fashion photography. Emphasis on the creation of multiple or consecutive images. Spring.

PGY 3751C CAH-ART 3(2,4) Videography: PR: PGY 3821C or C.I. Creation of video narratives using the digital environment. Occasional.

PGY 3809C CAH-ART 3(2,4) Photography and Web Design: PR: PGY 3821C or C.I. Advanced issues in digital imaging, emphasis on professional output solutions for the photographer such as web as an interface, large format printing, and film recorder. Occasional. M&S fee: $45.00

PGY 3821C CAH-ART 3(2,4) Digital Imagery for Photography: PR: PGY 3809C or C.I. Current digital imaging software and its application to contemporary work. Occasional. M&S fee: $45.00

PGY 4003 CAH-ART 3(3,0) Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and imagery in culture and society. Occasional.

PGY 4228C CAH-ART 3(3,0) Advanced Illustrative Photography: PR: PGY 3205C or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee: $45.00

PGY 4420C CAH-ART 3(2,3) Advanced Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 2321C, PGY 2410C, and a satisfactory portfolio review or C.I. Emphasis on the Photography program. Advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. Fall, Spring. M&S fee: $45.00


PGY 4471 CAH-ART 3(3,0) Photography Thesis: PR: PGY 3324, PGY 4003, or C.I. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee: $45.00

PGY 4472C CAH-ART 3(2,4) Photography Workshop/Project: PR: PGY 2655, PGY 2216 or C.I. Student personal projects incorporating photographic imagery. Emphasis is on purposeful and well-conceived self-expression and discovery. Occasional. M&S fee: $45.00

PGY 4493C CAH-ART 3(2,4) Photography and Art: PR: PGY 4472C, or PGY 3002, or C.I. Creation of photographs related to the expression of personal, political, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. Occasional.

PGY 5108C CAH-ART 3(2,4) Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3420C and PGY 4420C, or admission to MFA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. Occasional. M&S fee: $45.00

PHH 3041 CAH-PHIL 3(3,0) Russian Philosophy: PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. Occasional.

PHH 3100 CAH-PHIL 3(3,0) Ancient Philosophy: PR: PHIL 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.

PHH 3200 CAH-PHIL 3(3,0) Medieval Philosophy: PR: PHIL 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish, and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.

PHH 3460 CAH-PHIL 3(3,0) Modern Western Philosophy: PR: PHIL 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

PHH 3510 CAH-PHIL 3(3,0) Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective contrasting standpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance. Occasional.

PHH 3600 CAH-PHIL 3(3,0) Contemporary Philosophy: PR: PHIL 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, structuralism, post-structuralism, and liberation philosophies. Occasional.

PHH 3700 CAH-PHIL 3(3,0) American Philosophy: PR: PHIL 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Even Spring.

PHH 3701 CAH-PHIL 3(3,0) Native American Philosophy: PR: PHIL 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHH 4201 CAH-PHIL 3(3,0) Introduction to Philosophy: PR: Permission of Honors. Same as PHIL 4201 with honors-level content. Fall.

PHH 4201H CAH-PHIL 3(3,0) Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHIL 4201 with honors-level content. Fall.

PHH 4211 CAH-PHIL 3(3,0) Philosophical Reasoning: A study of reasoning in philosophy; the role of consistency, infinite regress arguments, modeling, and system building, discovery procedures, diagnosis, and contract and paradigm case arguments. Occasional.

PHH 4210 CAH-PHIL 3(3,0) Formal Logic I: A study of sentence and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. Occasional.

PHH 4218 CAH-PHIL 3(3,0) Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHH 2630 CAH-PHIL 3(3,0) Ethics: An examination of the nature of moral problems, judgements and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHH 2647 CAH-PHIL 3(3,0) Logic and Ethics: PR: PHIL 2010 or COT 3100C or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling in study philosophical problems in ethics. Occasional.

PHH 3022 CAH-PHIL 3(3,0) Sexuality, Gender & Philosophy: PR: WST 3015, PHIL 3233, or C.I. Examines the construction of post-structuralist and neo-psychoanalytical theories to cultural issues in sexuality and gender. Even Spring.

PHH 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.

PHH 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.

PHH 3131 CAH-PHIL 3(3,0) Formal Logic II: PR: PHIL 2101. Systematic study of propositional and first-order predicate logic; logical systems and automatic methods; problems of methodology, including consistency, completeness, and decidability. Occasional.

PHH 3320 CAH-PHIL 3(3,0) Philosophy of Mind: PR: PHIL 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personhood, and the relation of psychology to neurobiology. Occasional.


PHH 3451 CAH-PHIL 3(3,0) Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. Occasional.

PHH 3601 CAH-PHIL 1(1,0) Practical Wisdom: PR: Junior standing or PHIL 2010 or C.I. Course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. Occasional.

PHH 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.

PHH 3626 CAH-PHIL 3(3,0) Advanced Ethics in Science and Technology: PR: COP 3502C or DIG 2000 or C.I. Philosophy applied to ethics in science and technology. Fall, Spring.

PHH 3629 CAH-PHIL 3(3,0) Family Values: PR: PHIL 2010, PHIL 2630, PHIL 3670, or WST 3815. Applied ethics examining legal, religious, and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationship and caregiving. Even Spring.
PHI 3638 CAH-PHIL  3(3,0)  

PHI 3640 CAH-PHIL  3(3,0)  
Environmental Ethics: PR: Junior standing, Major contemporary issues in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.

PHI 3648 CAH-PHIL  3(3,0)  
Ethical Implications of the Human Genome Project: PR: BSC 2010C and either PHI 2010 or PHI 2630 or PHI 3670. Ethical issues surrounding the Human Genome Project, including genetic testing, genetic therapies, genetic enhancement, forensics, data banking, and genetic patenting. Occasional.

PHI 3670 CAH-PHIL  3(3,0)  
Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including value 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 3683 CAH-PHIL  3(3,0)  
Philosophy of Friendship: PR: One of: PHI 2010, PHI 3670, PHI 3683, or C.I. Philosophical aspects of friendship, focusing on its interpersonal, moral, social, and political significance and implications. Occasional.

PHI 3684 CAH-PHIL  3(3,0)  
Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of ‘the good life’. Occasional.

PHI 3700 CAH-PHIL  3(3,0)  
Philosophy of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. Odd Spring.

PHI 3720 CAH-PHIL  3(3,0)  

PHI 3750 CAH-PHIL  3(3,0)  

PHI 3790 CAH-PHIL  3(3,0)  
African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.

PHI 3800 CAH-PHIL  3(3,0)  

PHI 3803 CAH-PHIL  3(3,0)  
Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800, Aesthetics. Examines the empirical and metaphysical claims made for creativity, attempts to account for intuition, genius, and intelligence. Occasional.

PHI 3805 CAH-PHIL  3(3,0)  

PHI 3941 CAH-PHIL  3(1,3)  
Philosophy Practice: PR: C.I. Mentor at-risk grade schoolers and evaluate such work-related concepts as justice and fairness. Occasional.

PHI 4221 CAH-PHIL  3(3,0)  
Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.

PHI 4300 CAH-PHIL  3(3,0)  
Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. Occasional.

PHI 4321 CAH-PHIL  3(3,0)  
Philosophies of Embodiment: Mind/Body/Self: PR: Junior standing and either PHI 2010, PHI 2101, PHI 2106, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophies from ancient to contemporary times. Occasional.

PHI 4341 CAH-PHIL  3(3,0)  
Ways of Knowing: PR: PHI 2010 or C.I. Philosophic study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

PHI 4400 CAH-PHIL  3(3,0)  
Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL  3(3,0)  
Philosophy of Social Science: PR: Senior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

PHI 4500 CAH-PHIL  3(3,0)  
Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

PHI 4633 CAH-PHIL  3(3,0)  
Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.

PHI 4633H CAH-PHIL  3(3,0)  
Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. Occasional.

PHI 4673 CAH-PHIL  3(3,0)  
Medical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. Spring.

PHI 4690 CAH-PHIL  3(3,0)  
Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. Odd Fall.

PHI 4804 CAH-PHIL  3(3,0)  
Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

PHI 4931 CAH-PHIL  3(3,0)  
Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web enhanced. Occasional.

PHI 4935 CAH-PHIL  3(3,0)  
Tops in Philosophy of Mind: PR: PHI 3821, PHI 3451 or PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

PHI 4938 CAH-PHIL  3(3,0)  
Senior Research Seminar: PR: Senior standing and Philosophy major. Capstone course on research, developing effective oral and written communication skills. Occasional.

PHI 4951 CAH-PHIL  1(1,0)  
Portfolio: PR: PHI 3803 and last semester as Philosophy major. Presentation of a representative sampling of student’s best work, with appropriate revisions, including a cover narrative indicating development of philosophical knowledge and skills. Graded SU. Occasional.

PHI 5225 CAH-PHIL  3(3,0)  
Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. Occasional.

PHI 5325 CAH-PHIL  3(3,0)  
Topics in Philosophy of Mind: PR: Admission into graduate certificate program in Cognitive Sciences or C.I. Contemporary issues in philosophy of mind, including explanatory gap, and the problem of other minds. Occasional.

PHI 5327 CAH-PHIL  3(3,0)  
Topics in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

PHI 5328 CAH-PHIL  3(3,0)  
Philosophies of Embodiment: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Relationships among mind, body, and culture. Knowledge of self, world and others as articulated by Western philosophy, with special emphasis on embodied cognition. Occasional.

PHI 5329 CAH-PHIL  3(3,0)  
Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neuropsychology, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL  3(3,0)  

PHI 5627 CAH-PHIL  3(3,0)  
Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.

PHI 5634 CAH-PHIL  3(3,0)  
Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048L HPA-HP</td>
<td>Physics Laboratory for Engineers and Scientists I: PHY 2048L.</td>
<td>Laboratory experiments covering selected topics in physics related to PHY 2048. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>PHY 2049 COS-PHYS</td>
<td>Physics for Engineers and Scientists II: PHY 2049H or PHY 2049H.</td>
<td>Electricity, magnetism, optics. Fall, Spring.</td>
</tr>
<tr>
<td>PHY 2090 COS-PHYS</td>
<td>Physics Today: PHY 2048H or PHY 2049H.</td>
<td>Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated. Occasional.</td>
</tr>
<tr>
<td>PHY 3100 COS-PHYS</td>
<td>Physics for Engineers and Scientists III: PHY 2049H or PHY 2049H.</td>
<td>Thermodynamics, optics, x-rays, radioactivity. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>PHY 3101H COS-PHYS</td>
<td>Honors Physics for Engineers and Scientists III: PHY 2049H or PHY 2049H. Same as PHY 5101 with honors-level content. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 3323 COS-PHYS</td>
<td>Electricity and Magnetism I: PHY 2049H. MAP 2302.</td>
<td>Electrostatics, magnetostatics, Lorentz force current electricity, Maxwell’s equations. Fall.</td>
</tr>
<tr>
<td>PHY 3513 COS-PHYS</td>
<td>Thermal and Statistical Physics: PHY 3101 or PHY 3110H or C.I. Thermodynamics, kinetics theory, elements of statistical mechanics. Fall.</td>
<td></td>
</tr>
<tr>
<td>PHY 3802L COS-PHYS</td>
<td>Intermediate Physics Laboratory: PHY 3101 or C.I.</td>
<td>Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.</td>
</tr>
<tr>
<td>PHY 4424 COS-PHYS</td>
<td>Optical Physics Laboratory:</td>
<td>A laboratory course on geometric optics, interference, diffraction, materials and modern optics. Occasional.</td>
</tr>
<tr>
<td>PHY 4803L COS-PHYS</td>
<td>Advanced Physics Laboratory: PHY 3802L.</td>
<td>Experiments in optics, electronics, nuclear and solid state physics. Emphasis on design, data, and scientific writing. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>PHY 5015C COS-PHYS</td>
<td>Physics for Teachers II:</td>
<td>PR: Graduate status or senior standing or C.I. &quot;Hands-on&quot; lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.</td>
</tr>
<tr>
<td>PHY 5100 COS-PHYS</td>
<td>Topics in Contemporary Physics for Teachers: PR: Graduate status or senior standing or C.I. The study of recent findings in a selected area such as particle physics, surface physics, planetary atmospheres, lasers, geophysics, etc. May be repeated for credit. Occasional.</td>
<td></td>
</tr>
<tr>
<td>PHY 5140C COS-PHYS</td>
<td>Ion-Solid Interactions:</td>
<td>PR: Graduate status or senior standing, or C.I. Physical principles and related scientific and technological applications of ion-solid interactions. Even Spring.</td>
</tr>
</tbody>
</table>
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Type</th>
<th>Title</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 5200C</td>
<td>COS-PHYS</td>
<td>1(0.5,1.5)</td>
<td>Newtonian Mechanics for Teachers:</td>
<td>Graduate status or senior standing or C.I. A lab, lecture, demonstration course studying selected topics in classical mechanics. Occasional.</td>
</tr>
<tr>
<td>PHY 5300C</td>
<td>COS-PHYS</td>
<td>1(0.5,1.5)</td>
<td>Electricity for Teachers:</td>
<td>Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. Occasional.</td>
</tr>
<tr>
<td>PHY 5302C</td>
<td>COS-PHYS</td>
<td>1(0.5,1.5)</td>
<td>Electromagnetism for Teachers:</td>
<td>Graduate status or senior standing or C.I. Gauss’ Law, Biot-Savart Law, Ampere’s Law, Faraday’s Law, Lenz’s law, motors, generators, AC circuits and Maxwell’s Equations. Occasional.</td>
</tr>
<tr>
<td>PHY 5346</td>
<td>COS-PHYS</td>
<td>3(0,0)</td>
<td>Electrodynamics:</td>
<td>PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell’s equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.</td>
</tr>
<tr>
<td>PHY 5401C</td>
<td>COS-PHYS</td>
<td>1(0.5,1.5)</td>
<td>Optics for Teachers:</td>
<td>Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. Occasional.</td>
</tr>
<tr>
<td>PHY 5455</td>
<td>COS-PHYS</td>
<td>3(0,0)</td>
<td>Modern X-ray Science:</td>
<td>Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.</td>
</tr>
<tr>
<td>PHY 5466C</td>
<td>COS-PHYS</td>
<td>1(0.5,1.5)</td>
<td>Wave Motion for Teachers:</td>
<td>Graduate status or senior standing or C.I. Water waves, waves on strings, sound and vibrations. Occasional.</td>
</tr>
<tr>
<td>PHY 5500C</td>
<td>COS-PHYS</td>
<td>1(0.5,1.5)</td>
<td>Thermal Physics for Teachers:</td>
<td>Graduate status or senior standing or C.I. Engines, heat pumps, kinetic theory, phase changes, radiation, weather. Occasional.</td>
</tr>
<tr>
<td>PHY 5524</td>
<td>COS-PHYS</td>
<td>3(0,0)</td>
<td>Statistical Physics:</td>
<td>PHY 3513, STA 3032, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions. Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. Spring.</td>
</tr>
<tr>
<td>PHY 5606</td>
<td>COS-PHYS</td>
<td>3(0,0)</td>
<td>Quantum Mechanics I:</td>
<td>PHY 4605, and graduate status or senior standing or C.I. A study of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrodinger equation, matrix formulation, and time independent perturbation theory. Fall.</td>
</tr>
<tr>
<td>PHY 5650</td>
<td>COS-PHYS</td>
<td>3(0,0)</td>
<td>Introduction to Quantum Computation:</td>
<td>C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. Occasional.</td>
</tr>
<tr>
<td>PHY 5817L</td>
<td>COS-PHYS</td>
<td>1(0,3)</td>
<td>Building Physics Apparatus:</td>
<td>PHY 3004, and graduate status or senior standing or C.I. A laboratory course in building systems and building structures. Laboratory work in printed circuit boards and glass work. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>PHY 5846C</td>
<td>COS-PHYS</td>
<td>3(3,3)</td>
<td>Methods of Experimental Physics:</td>
<td>Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.</td>
</tr>
<tr>
<td>PHY 5933</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Selected topics in biophysics of macromolecules:</td>
<td>PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>PHY 5931</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Introduction to Theoretical Methods of Physics:</td>
<td>PHY 2392. Analytical techniques to solve problems of physics. Spring.</td>
</tr>
<tr>
<td>PHY 3422</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Nanophysics:</td>
<td>PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano col-lids, and nano transport. Occasional.</td>
</tr>
<tr>
<td>PHY 3601</td>
<td>COS-PHYS</td>
<td>3(0,0)</td>
<td>Einstein’s Theory of Relativity:</td>
<td>PHY 2409, Einstein’s special theory of relativity. Introduction to general relativity. Occasional.</td>
</tr>
<tr>
<td>PHY 4390</td>
<td>COS-PHYS</td>
<td>3(0,0)</td>
<td>Nuclear and Particle Physics:</td>
<td>PHY 4605 or C.I. The properties of the nucleus and the fundamental particles and how the universe is built from particles. Occasional.</td>
</tr>
<tr>
<td>PHY 4404</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Solid State Physics:</td>
<td>PHY 3101 or C.I. Atomic binding, crystalline structure, diffraction and reciprocal lattice, lattice vibration, phonons, electrons in solids, energy bands, semiconductors. Occasional.</td>
</tr>
<tr>
<td>PHY 4434</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Nanoscale Surface Physics:</td>
<td>PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.</td>
</tr>
<tr>
<td>PHY 5156</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Computational Physics:</td>
<td>PHY 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.</td>
</tr>
<tr>
<td>PHY 5304</td>
<td>COS-PHYS</td>
<td>3(0,0)</td>
<td>Nuclear and Particle Physics:</td>
<td>PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.</td>
</tr>
<tr>
<td>PHY 5405</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Condensed Matter Physics:</td>
<td>PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.</td>
</tr>
<tr>
<td>PHY 5425C</td>
<td>COS-PHYS</td>
<td>3(3,3)</td>
<td>Electron Solid Interactions:</td>
<td>Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.</td>
</tr>
<tr>
<td>PHY 5432</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Introduction to Soft Condensed Matter Physics:</td>
<td>PHY 3153 or C.I. Introduction to condensed matter physics; colloids, surfactants using basic tools of statistical mechan-ics. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>PHY 5437</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Nanoscale Surface Physics:</td>
<td>Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.</td>
</tr>
<tr>
<td>PHY 5505</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Plasma Physics:</td>
<td>PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.</td>
</tr>
<tr>
<td>PLA 3013</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Law and the Legal System:</td>
<td>A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the lawyer. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3104</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Legal Research:</td>
<td>PHY 3103 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3155</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Civil Practice and Procedure - Honors:</td>
<td>PHY 3104. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3104. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3201</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Civil practice and Procedure:</td>
<td>PHY 3103 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3201H</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Civil practice and Procedure - Honors:</td>
<td>PHY 3103 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3304</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Criminal Law:</td>
<td>Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3308</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Criminal Procedure:</td>
<td>PHY 3103 or C.I. Rules of criminal procedure emphasizing Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 3610</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Property and Real Estate Law:</td>
<td>PHY 3103. Study of the law of real and personal property; real estate transactions and conveyances; closings procedures and title problems. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 4020</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Law and Society:</td>
<td>Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.</td>
</tr>
<tr>
<td>PLA 4223</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Advanced Trial Advocacy:</td>
<td>PHY 4010 or C.I. Litigation and trials at an advanced level, students must handle trial from beginning to end. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>PLA 4240</td>
<td>HPA-CJ/LS</td>
<td>3(3,0)</td>
<td>Negotiation Alternatives in Law:</td>
<td>PHY 3103/CI. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.</td>
</tr>
</tbody>
</table>

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PLA 4263 HPA-C/LS 3(3,0)  
Evidence: PR: PLA 3013 and 3201 or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4423 HPA-C/LS 3(3,0)  
The Law of Contracts: Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4433 HPA-C/LS 3(3,0)  
Florida Partnerships and Corporations: Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.

PLA 4460 HPA-C/LS 3(3,0)  
Bankruptcy Law: PR: C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

PLA 4472 HPA-C/LS 3(3,0)  
Employment Discrimination Law: PR: C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4483 HPA-C/LS 3(3,0)  
Administrative Law: PR: PLA 3013 or PAD 3003. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530 HPA-C/LS 3(3,0)  
Legal Issues of the Elderly: PR: PLA 3013. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-C/LS 3(3,0)  
Environmental Law: PR: PLA 3013 and PLA 4483 or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Odd Spring.

PLA 4583 HPA-C/LS 3(3,0)  

PLA 4583H HPA-C/LS 3(3,0)  
Honors Cyber Law: PR: Honors GEP completion or consent of The Burnett Honors College. Copyright, trademark, patent issues in cyberspace; online dispute resolution, privacy, and free speech topics. With Honors Consent. Occasional.

PLA 4601 HPA-C/LS 3(3,0)  
Estates and Trusts: PR: PLA 3013, PLA 3610. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4602 HPA-C/LS 3(3,0)  
Estate Administration: PR: PLA 4601. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4700 HPA-C/LS 3(3,0)  

PLA 4710 HPA-C/LS 1(1,0)  
Careers in Legal Studies: PR: Major in Legal Studies or C.I. Applications of Legal Studies. Students will explore options in legal studies, professional development, and ethics. Graded S/U. Occasional.

PLA 4732 HPA-C/LS 3(3,0)  
Advanced Legal Applications: PR: PLA 3013 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's law firms and law-related fields. Occasional.

PLA 4763 HPA-C/LS 3(3,0)  

PLA 4800 HPA-C/LS 3(3,0)  
Domestic Relations Law: PR: PLA 3013 and PLA 3610, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-C/LS 3(3,0)  
Juvenile Law and Procedure: PR: PLA 3013 or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-C/LS 3(3,0)  
Sports Law: PR: PLA 3013 or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.

PLA 4824 HPA-C/LS 3(3,0)  

PLA 4825 HPA-C/LS 3(3,0)  
Entertainment Law: PR: PLA 3013 or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4826 HPA-C/LS 3(3,0)  

PLA 4830 HPA-C/LS 3(3,0)  
World Legal Systems: PR: PLA 3013 or equivalent. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.

PLA 4864 HPA-C/LS 3(3,0)  

PLA 4910 HPA-C/LS 3(3,0)  
Trial Advocacy: PR: PLA 3013, PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

PLA 4935 HPA-C/LS 3(3,0)  
Capstone: Legal Issues: PR: senior status, PLA 3155. Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-C/LS 3(3,0)  
Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

PLA 5937 HPA-C/LS 3(1,2)  

POR 1120C CAH-LANG 4(3,1)  
Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.

POR 1121C CAH-LANG 4(3,1)  
Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

POR 2200 CAH-LANG 3(3,0)  
Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Development of Portuguese language skills at the intermediate level. Fall, Spring.

POR 2201 CAH-LANG 3(3,0)  
Intermediate Portuguese II: PR: POR 2200 (Intermediate Portuguese I) or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 3140 CAH-LANG 3(3,0)  
Accelerated Portuguese for Speakers of Romance Languages: PR: FRE 2201, or ITA 2201, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

POS 2041 COS-POLS 3(3,0)  
American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

POS 2041H COS-POLS 3(3,0)  

POS 3076 COS-POLS 3(3,0)  
American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122 COS-POLS 3(3,0)  

POS 3122H COS-POLS 3(3,0)  

POS 3173 COS-POLS 3(3,0)  

POS 3182 COS-POLS 3(3,0)  
Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.
UCF Courses and Descriptions

POS 3182H  COS-POLS  3(3,0)

POS 3233  COS-POLS  3(3,0)
Public Opinion: PR: Junior standing or C.I. Nature, impact, and development of public opinion. Emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3235  COS-POLS  3(3,0)
Mass Media and Politics: PR: POS 2041 or C.I., influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.

POS 3235H  COS-POLS  3(3,0)
Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.

POS 3253  COS-POLS  3(3,0)
Contemporary Revolution and Political Violence: Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.

POS 3258  COS-POLS  3(3,0)
Politics in Film: PR: POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

POS 3273  COS-POLS  3(3,0)
Voting and Elections: Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

POS 3413  COS-POLS  3(3,0)
The American Presidency: PR: POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office's evolution in status, powers, administrative responsibilities, leadership, and decision-making. Occasional.

POS 3424  COS-POLS  3(3,0)
Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change: emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

POS 3443  COS-POLS  3(3,0)
Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463  COS-POLS  3(3,0)
Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.

POS 3627  COS-POLS  3(3,0)

POS 3703  COS-POLS  3(3,0)
Scope and Methods of Political Science: PR: Junior standing or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, Spring.

POS 3949  COS-POLS  0(0,8)

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. Odd Fall.

POS 4142  COS-POLS  3(3,0)
Metropolitan Politics: Analysis of political patterns, processes, and issues in American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. Occasional.

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: The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. Occasional.

POS 4246  COS-POLS  3(3,0)
Political Socialization: PR: POS 2041 or C.I. Analysis of recruitment and socialization processes, identification of the agents and processes of political socialization in national and cross-cultural contexts. Occasional.

POS 4284  COS-POLS  3(3,0)
Judicial Process and Politics: Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.

POS 4412  COS-POLS  3(3,0)
Presidential Campaigning: PR: C.I. 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: PR: 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: POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4622  COS-POLS  3(3,0)
Politics and Civil Rights: PR: Junior standing or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.

POS 4742  COS-POLS  3(3,0)

POS 4941L  COS-POLS  3(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 4949L  COS-POLS  3(0-3,9)
Political Science Internship (research): 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 5204  COS-POLS  3(3,0)
American Political Thought: From its sources to the 20th century, including liberalism, humanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.

POS 5302  COS-POLS  3(3,0)
Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.

POS 4602  COS-POLS  3(3,0)
American Civil War: PR: Junior standing or C.I. The American Civil War: an examination of the causes, major political, economic, and social themes of the war. Fall.

POS 4603  COS-POLS  3(3,0)
Modern Political Philosophy: Study of the development of political and social ideas in Western thought from early Greece through the 17th century. Occasional.

POS 4604  COS-POLS  3(3,0)
Contemporary Political Theory: PR: Junior standing or C.I. Study of the contemporary debate about the status of rights, utilitarianism, and liberal, communitarian, Marxist, libertarian, and feminist critiques of liberalism. Occasional.

POS 4606  COS-POLS  3(3,0)
Contemporary Political Theory: PR: Junior standing or C.I. Study of the contemporary debate about the status of rights, utilitarianism, and liberal, communitarian, Marxist, libertarian, and feminist critiques of liberalism. Occasional.

POS 4608  COS-POLS  3(3,0)
Modern Political Philosophy: Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POS 4045 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.

POS 4741  COS-POLS  3(3,0)
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 4841L  COS-POLS  3(0-3,9)
Political Science Internship (research): 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 5304  COS-POLS  3(3,0)
Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.

POS 5305  COS-POLS  3(3,0)
American Political Thought: From its sources to the 20th century, including liberalism, humanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.

POS 5306  COS-POLS  3(3,0)
Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.

POS 4841L  COS-POLS  3(0-3,9)
Political Science Internship (research): 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 5307  COS-POLS  3(3,0)
Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.

POS 5308  COS-POLS  3(3,0)
Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.

POS 4941  COS-POLS  3(3,0)
American Political Thought: From its sources to the 20th century, including liberalism, humanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.

POS 5309  COS-POLS  3(3,0)
Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.

POS 4941  COS-POLS  3(3,0)
American Political Thought: From its sources to the 20th century, including liberalism, humanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.
PPE 3003 COS-PSYCH 3(3,0)

PPE 3003H COS-PSYCH 3(3,0)

PPE 5055 COS-PSYCH 3(3,0)
Personality Theories: PR: Graduate status or senior standing or C.I. Critical theoretical models of personality development with applications to counseling, psychotherapy and psychological assessment. Occasional.

PSB 3002 COS-PSYCH 3(3,0)
Physiological Psychology: PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Fall, Spring.

PSB 3002H COS-PSYCH 3(3,0)

PSB 3441 COS-PSYCH 3(3,0)

PSB 3842 COS-PSYCH 3(3,0)

PSB 4103C COS-PSYCH 3(2,2)

PSB 4240C COS-PSYCH 4(3,2)

PSB 4422 COS-PSYCH 3(2,2)

PSB 5005 COS-PSYCH 3(3,0)
Physiological Psychology: PR: PSB 3002 and graduate status or senior standing or C.I. An advanced survey of the physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Occasional.

PSC 1121 COS-PSYCH 3(3,0)
Physical Science: PR: High school algebra or MAC 1105. Fundamental laws of mechanics, heat, waves, electricity, magnetism; chemical processes and equations, properties of gases, liquids, solids, solutions. Fall, Spring. M&S fee: $2.20

PSC 1121H COS-PSYCH 3(3,0)
Honors Physical Science: PR: Permission of Honors and MAC 1105 or MGF 1106. PSC 1121 with Honors-level content. Occasional.

PSC 1121L COS-PHYS 1(0,2)
Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. Fall, Spring. M&S fee: $10.00

PSC 1801 COS-PHYS 3(3,0)

PSY 2012 COS-PSYCH 3(3,0)
Introduction to Psychological Science: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Fall, Spring.

PSY 2012H COS-PSYCH 3(3,0)
Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall, Spring.

PSY 2023 COS-PSYCH 1(1,0)

PSY 3022C COS-PSYCH 3(1,8)

PSY 3028 COS-PSYCH 3(3,0)
Psychology of Career Development: PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology including educational entry requirements and related issues. Occasional.

PSY 3204 COS-PSYCH 4(3,2)
Statistical Methods in Psychology: PR: STA 2014C or STA 2023. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. Occasional.

PSY 3204H COS-PSYCH 4(3,1)
Honors Statistical Methods in Psychology: PR: STA 2014C or STA 2023 and consent of Honors. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. Occasional.

PSY 3213C COS-PSYCH 5(3,2)
Research Methods in Psychology: PR: PSY 2012, PSY 3204 and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee: $20.00

PSY 3213H COS-PSYCH 5(3,2)
Honors Research Methods in Psychology: PR: PSY 2012, PSY 3204 and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. Occasional.

PSY 3302 COS-PSYCH 3(3,0)

PSY 3624 COS-PSYCH 3(3,0)

PSY 3630 COS-PSYCH 3(3,0)

PSY 3703 COS-PSYCH 3(3,0)
Psychology of Language: PR: PSY 2012 or C.I. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.

PSY 3951 COS-PSYCH 1-9(3-30)
Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded SU. May be repeated for credit. Fall, Spring.

PSY 4025 COS-PSYCH 3(3,0)
The Psychology of Art: PR: PSY 2012, and ARH 2050 or ARH 2051L. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

PSY 4215C COS-PSYCH 4(3,2)
Advanced Research Methods in Psychology: PR: PSY 3213C. Design, analysis, and interpretation of complex research projects in psychology. Fall, Spring. M&S fee: $20.00

PSY 4270L COS-PSYCH 3(0,3)
Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. Occasional. M&S fee: $15.00

PSY 4305C COS-PSYCH 3(1,4)

PSY 4604 COS-PSYCH 3(3,0)
History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 4604H COS-PSYCH 3(3,0)
Honors History and Systems of Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

PSY 5605 COS-PSYCH 3(3,0)
History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American Psychology from its origins in the late 19th century to the present time. This course is intended for the Ph.D. in Clinical Psychology; in certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014 COS-POLS 3(3,0)
Comparative Public Policy: PR: POS 2041 or CPO 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3,0)
Environmental Politics: PR: POS 2041 or C.I. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

UCF Courses and Descriptions
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PUP 3314 COS-POLS 3(3,0) Minorities in American Politics: Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3,0) Women and Political Behavior: PR: POS 2041 or C.I. Women’s role in the political process, emphasizing women in the governmental and policy process. Odd Fall.

PUP 3508 COS-POLS 3(3,0) Space Studies: PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. Occasional.

PUP 4003 COS-POLS 3(3,0) American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.

PUP 4204 COS-POLS 3(3,0) Sustainability: PR: POS 2041 or C.I. Environmental politics through the lens of “sustainability.” Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 4209 COS-POLS 3(3,0) Urban Environmental Policy: PR: POS 2041. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.

PUP 4323 COS-POLS 3(3,0) Women and Public Policy: PR: POS 2041 or C.I. Public policies and processes that achieve a disparate impact on women and women’s lives in the United States. Occasional.

PUP 4404 COS-POLS 3(3,0) Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. Occasional.

PUP 4503 COS-POLS 3(3,0) Government and Science: PR: C.I. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3,0) Space Policy: An examination of the politics and policymaking involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602 COS-POLS 3(3,0) Politics of Health: PR: C.I. Analysis of public health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. Occasional.

PUP 4744 COS-POLS 3(3,0) Government and Business: PR: Junior standing or C.I. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931 COS-POLS 3(3,0) Topics in Public Policy: Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. Occasional.

PUR 3100 COS-COMM 3(2,1) Writing for Public Relations: PR: ADPR Majors only. Development of skills in writing for public relations. Fall, Spring.

PUR 4000 COS-COMM 3(3,0) Public Relations: PR: SPC 1608. Principles and practice of Public Relations including techniques, research tools, publicity, and management. Fall, Spring.

PUR 4110C COS-COMM 3(1,3) Public Relations Publications: PR: ENC 2210 or PUR 3100 or JOU 2100C or ENC 3250. Basic principles and techniques of desktop production of public relations publications. Fall, Spring.

PUR 4203 COS-COMM 3(3,0) PR/Advertising Ethics and Law: PR: ADPR majors only and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Occasional.

PUR 4801 COS-COMM 3(3,0) Public Relations Case Studies: PR: ADPR majors only and PUR 4000 or C.I. Discussion and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. Fall, Spring.


RAT 3241 HPA-HP 3(3,0) Clinical Radiobiology: Application of the principles and theories of radiobiology to the clinical practice of radiation therapy. Occasional.

RAT 3242 HPA-HP 2(2,0) Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. Occasional.

RAT 3614 HPA-HP 2(2,0) Radiation Therapy Physics I: PR: Acceptance to program. Study of radiation production, properties, interactions, measurement, and protection. Occasional.

RAT 4247 HPA-HP 3(3,0) Radiation Oncology I: Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4248 HPA-HP 3(3,0) Radiation Oncology II: Methods of treatment of malignant conditions of the nervous system, eye, reproductive system, urinary system, connective tissue, and lympho-reticular system. Occasional.


RAT 4619C HPA-HP 4(3,3) Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.


RAT 4814L HPA-HP 6(0,24) Clinical Education II: PR: RAT 4804L. Supervised clinical practice in patient care, education, simulation, treatment planning, and delivery and utilization of treatment units. Occasional.


RED 3012 ED-TLP 3(3,0) Basic Foundations of Reading: PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.


RED 4043 ED-TLP 3(3,0) Content Reading in Kindergarten through Grade 12: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 curriculum; Principles, strategies, assessment, and promising practices. Fall, Spring.

RED 4311 ED-CFC 3(3,0) Primary Reading, Writing, and Language Arts: PR: Junior or senior standing. Admission to the Teacher Education Program. Emergent reading/writing processes during preschool, kindergarten, and first grade: methods for implementing integrated language arts curriculum; guiding developmental, early childhood language experiences. Fall, Spring.


RED 4942 ED-TLP 3(3,0) Practicum for Assessment and Instruction of Reading: PR: RED 4519. Corequisite: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147 ED-TLP 3(3,0) Developmental Reading: PR: EDG 4232. Principles, procedures, organization, and current practices in the elementary reading program. Materials and methods of instruction. Fall, Spring.

RED 5517 ED-TLP 3(3,1) Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and correction of teaching in reading. Instructional materials. Case study required. Even Fall, Spring.

REE 3043 BA-FIN 3(3,0) Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall, Spring.

REE 3433 BA-FIN 3(3,0) Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 3614</td>
<td>Environmental Issues for Real Estate</td>
<td>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.</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
<td>PR: FIN 3403C. Focus on the fundamentals of real estate valuation utilizing tools of financial and economic analysis. Occasional.</td>
</tr>
<tr>
<td>REE 4203</td>
<td>Commercial Real Estate Finance</td>
<td>PR: FIN 3403C; 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.</td>
</tr>
<tr>
<td>REE 4204</td>
<td>Residential Real Estate Finance</td>
<td>PR: FIN 3403C; 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.</td>
</tr>
<tr>
<td>REL 3614</td>
<td>Environmental Issues for Real Estate</td>
<td>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.</td>
</tr>
<tr>
<td>REL 3840</td>
<td>Buddhism Thought</td>
<td>PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. Odd Fall, Spring.</td>
</tr>
<tr>
<td>REL 3932</td>
<td>Roots of Western Mysticism</td>
<td>PR: HUM 3431, HUM 3435, HUM 3552, HUM 4030, HUM 4554, PHH 5100, or PHH 5200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.</td>
</tr>
<tr>
<td>REL 4110</td>
<td>Religion and the Arts</td>
<td>PR: At least one of the following: HUM 2210, HUM 2320, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.</td>
</tr>
<tr>
<td>REL 4180</td>
<td>Religion and Medicine</td>
<td>PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. Occasional.</td>
</tr>
<tr>
<td>REL 4901</td>
<td>Religion and Philosophy Through Film</td>
<td>PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student's best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded SU. Occasional.</td>
</tr>
<tr>
<td>REL 4910</td>
<td>Senior Research Seminar</td>
<td>PR: Senior standing and Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. Occasional.</td>
</tr>
<tr>
<td>REL 4933</td>
<td>Introduction to Respiratory Care</td>
<td>PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. Fall, M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>REL 5026C</td>
<td>Vascular Ultrasound</td>
<td>PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional. M&amp;S fee: $14.00</td>
</tr>
<tr>
<td>REL 5484C</td>
<td>Cardiopulmonary Diagnostics I</td>
<td>PR: RET 3484 and RET 2848. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. Spring.</td>
</tr>
<tr>
<td>REL 5485C</td>
<td>Cardiopulmonary Diagnostics II</td>
<td>PR: RET 3484 and RET 2848. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. Spring.</td>
</tr>
<tr>
<td>REL 5174</td>
<td>Pediatric Respiratory Care</td>
<td>PR: RET 3206C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. Spring.</td>
</tr>
<tr>
<td>REL 5264C</td>
<td>Mechanical Ventilation</td>
<td>PR: RET 3206C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.</td>
</tr>
<tr>
<td>REL 5383C</td>
<td>Respiratory Clinical Assessment</td>
<td>PR: RET 3206C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. Spring.</td>
</tr>
<tr>
<td>REL 5484C</td>
<td>Cardiopulmonary Physiology</td>
<td>PR: PCB 3700C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. Fall. M&amp;S fee: $18.00</td>
</tr>
<tr>
<td>REL 5875</td>
<td>Clinical Practice</td>
<td>PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. Fall.</td>
</tr>
<tr>
<td>REL 2444</td>
<td>Cardiopulmonary Diagnostics</td>
<td>PR: RET 4244. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. Fall.</td>
</tr>
<tr>
<td>REL 2465</td>
<td>Cardiopulmonary Diagnostics</td>
<td>PR: RET 4244 and RET 2848. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. Spring.</td>
</tr>
<tr>
<td>REL 441C</td>
<td>Pulmonary Function Studies</td>
<td>PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional. M&amp;S fee: $14.00</td>
</tr>
<tr>
<td>REL 4443</td>
<td>Advanced Cardiac Ultrasound</td>
<td>PR: RET 4244 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, conventional doppler, and color doppler covered. Occasional.</td>
</tr>
<tr>
<td>REL 4503</td>
<td>Chest Medicine</td>
<td>PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.</td>
</tr>
<tr>
<td>REL 4536</td>
<td>Cardiopulmonary Rehabilitation</td>
<td>PR: RET 3026C &amp; RET 3484C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.</td>
</tr>
<tr>
<td>REL 4715</td>
<td>Neonatal Medicine</td>
<td>PR: RET 3714C or C.I. Fetal development, prenatal physiology, gas transport in the fetus and newborn. Congenital abnormalities, infections, diseases of the newborn. Resuscitation of the neonate. Fall.</td>
</tr>
<tr>
<td>REL 4934</td>
<td>Selected Topics in Respiratory Therapy</td>
<td>PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

RMI 3011 BA-FIN 3(3,0) Principles of Risk and Insurance: PR: FIN 3403C. Emphasis is on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.

RTE 3000 HPA-HP 3(3,0) Introduction to Radiologic Sciences: PR: Admission to Radiologic Sciences program. Orientation to career field, radiation protection, principles and procedures of medical imaging and radiation therapy. Fall.

RTE 3111C HPA-HP 2(1.5,1.5) Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiology. Fall. M&S fee: $10.00.

RTE 3116 HPA-HP 3(3,0) Advanced Patient Care: PR: RTE 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. Spring.

RTE 3308 HPA-HP 3(3,0) Medical Physics: PR: RTE 3684C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.

RTE 3418C HPA-HP 3(2.5,1.5) Principles of Radiographic Exposure I: An introduction to the technical variables influencing radiographic and fluoroscopic image quality, including equipment considerations, prime exposure factors, image receptors, and accessory exposure devices. Fall. M&S fee: $28.00.

RTE 3457C HPA-HP 3(2.5,1.5) Principles of Radiographic Exposure II: PR: RTE 3418C or C.I. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. Spring. M&S fee: $45.00.

RTE 3503C HPA-HP 3(2,3) Radiographic Procedures I: PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the chest, abdomen, routine contrast studies, and the upper extremity. Fall. M&S fee: $45.00.

RTE 3513C HPA-HP 3(2,3) Radiographic Procedures II: PR: RTE 3503C or C.I. Continuation of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, bony thorax, lower extremity, vertebral column, cranium, and facial bones. Spring. M&S fee: $45.00.

RTE 3614 HPA-HP 2(2,0) Physics of Image Production: PR: College Physics II. Physics of diagnostic radiology, including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. Fall.

RTE 3804L HPA-HP 2(0,8) Clinical Education I: PR: Admission to Radiologic Sciences Major. Supervised clinical practice in radiologic procedures, radiation protection, patient care and equipment with emphasis on chest and abdomen procedures and patient care activities. Fall.

RTE 3814L HPA-HP 4(0,16) Clinical Education II: PR: RTE 3804L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. Spring.

RTE 4202 HPA-HP 3(3,0) Methods in Radiology Management: Concepts of radiology, department management, including principles, personnel management, evaluation and improvement techniques, budgeting, financial considerations and legal aspects, and JCAH equivalence specifications. Occasional.

RTE 4206 HPA-HP 3(3,0) Leadership in Radiological Sciences: PR: Senior level status in RS major or C.I. Study of the theories, principles and skills needed to function in a leadership position in Radiological Sciences. Spring.

RTE 4209 HPA-HP 2(0,8) Radiological Administrative Practice: A directed practice in the management of a radiology department, with application of theory and methodology. Occasional.

RTE 4385 HPA-HP 1(1,0) Radiology: PR: RTE 3308. A study of the effects of ionizing radiation on biologic systems. The responses at the cellular and total organism level are investigated. Fall.

RTE 4473 HPA-HP 3(3,0) Quality Improvement: PR: Registered technologist or Senior standing. The study of quality improvement and quality control from the perspective of radiologic services. Spring.

RTE 4563 HPA-HP 2(2,0) Special Radiographic Procedures: PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.

RTE 4573 HPA-HP 3(3,0) Advanced Imaging Modalities: PR: RTE 3563 or C.I. A study of the physical principles and applications of computed tomography, digital imaging, Interventional radiography, mammography, ultrasound, magnetic resonance imaging, and nuclear medicine. Fall.

RTE 4574 HPA-HP 1(1,0) Computed Tomography Protocols: PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multidetector row computed tomography acquisition. Fall.

RTE 4579 HPA-HP 1(1,0) Magnetic Resonance Imaging Protocols: PR: Senior level status in Radiologic Sciences Program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, safety procedures, patient positioning, coil and accessory device selection and use. Fall.

RTE 4762 HPA-HP 3(3,0) Anatomy for the Medical Image: PR: 200 3733C and PCS 3703C. A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. Fall. Spring.


RTE 4824L HPA-HP 5(0,20) Clinical Education III: PR: RTE 3814L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on the pelvis, bony thorax, vertebral column and mobile radiography. Occasional.

RTE 4834L HPA-HP 6(0,24) Clinical Education IV: PR: RTE 4824L. Supervised clinical practice in radiographic/fluoroscopic procedures, mobile radiography and rotations through specialized imaging. Fall.

RTE 4844L HPA-HP 2(0,8) Clinical Education V-A: PR: RTE 4834L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranial, facial bones, sinuses and special procedures. Spring.

RTE 4845L HPA-HP 4(0,16) Advanced Clinical Practicum: PR: RTE 4844L or AS to BS Transfer Program. Supervised clinical practice in computed tomography, interventional radiology, cardiac catheterization, magnetic resonance, mammography, trauma or pediatrics. Fall, Spring.

RTE 4903 HPA-HP 2(0,8) Directed Study in Radiologic Education: PR: EVT 3371 or EDG 4323 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional.

RTV 2102 COS-R/TV 3(3,0) Writing for the Electronic Media: PR: ENC 1102, RTV Major. Practical experience in writing for various electronic media including radio, television, corporate, and digital media. Scripting requirements, writing styles and creative applications. Odd Fall, Even Spring.

RTV 3007 COS-R/TV 3(3,0) Development and Structure of Electronic Media and New Technology: PR: SPC 1508 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 3101 COS-R/TV 3(1,2) Broadcast Copywriting: PR: RTV Majors only, Grammar Proficiency Examination and School Typing Exam. Preparation of written public service and commercial copy for radio and television. Occasional.

RTV 3200 COS-R/TV 3(3,0) Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3007 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. Fall, Odd Spring.

RTV 3210C COS-R/TV 3(2,1) Audio Production I: PR: RTV 3200 and RTV Major Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee: $30.00.

RTV 3223C COS-R/TV 3(2,1) Lighting for Video: PR: RTV 3228C or RTV 3260C, 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. Odd Fall, Spring. M&S fee: $30.00.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 5836</td>
<td>Space Science for Educators: PR: Senior standing or C I. Introduction to space science, manned space flight, and space education curriculum. Occasional.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SLS 1501</td>
<td>Strategies for Success in College: PR: First Time in College (RTC) standing or C I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SLS 2261C</td>
<td>Student Organization Leadership: Application of leader-ship and organizational development paradigms, theories, and approaches for emerging and established student leaders. Occasional.</td>
<td>2(1,2)</td>
</tr>
<tr>
<td>SLS 2311C</td>
<td>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.</td>
<td>2(1,2)</td>
</tr>
<tr>
<td>SLS 2715</td>
<td>Peer Educator Leadership: PR: Orientation Team Members or C I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOP 2772</td>
<td>Sexual Behavior: PR: PSY 2012. Physiological, social, and clinical aspects of human sexuality. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOP 3004</td>
<td>Social Psychology: PR: PSY 2012. Effects of social situations and social variables on the behavior of individuals. Fall, Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOP 3723</td>
<td>Cross Cultural Psychology: PR: PSY 2012. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. Odd Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOP 3724</td>
<td>Psychology of Prejudice: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOP 3742</td>
<td>Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOP 3751</td>
<td>Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000, PPE 3003 or C I. Ethical and legal dilemmas and issues in the practice of psychology. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOP 3784</td>
<td>Psychology of Diversity: PR: PSY 2012. A review of the contributions of psychology to the understanding of human diversity related to ethnic background, gender, sexuality, and belief systems. Occasional.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOP 5059</td>
<td>Advanced Social Psychology: PR: SOP 3004, graduate status or senior standing, or C I. The major findings and theories in social psychology including an in-depth review of relevant research. Occasional.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 2020</td>
<td>Careers in Creating Social Change: Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 3104</td>
<td>Assessing I: Human Development: Skill development in assessing ‘person-in-environment’ throughout life cycle. Study interaction of bio-psychosocial, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 3111</td>
<td>Assessing II: Human Systems: PR: SOW 3104. Development of skills in assessing families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 3203</td>
<td>Social Work &amp; Community Resources: PR: Jr. Standing or C I, open to non-majors. Generalist social work practice, including the structure of American social welfare, values and ethics of social work and community resources. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 3300</td>
<td>Practice I: PR: Admin. to Social Work Program. Generalist Practice in Social Work: Study of social work functions, knowledge, values, and skills. Development of ability to use a generalist model of practice. Fall.</td>
<td>3(2,1)</td>
</tr>
<tr>
<td>SOW 3352</td>
<td>Practice II: PR: SOW 3300. Interpersonal Skills in Social Work: PR or CR: SOW 3300. Study and practice of interviewing, group leadership, written communication, and group facilitation. Fall.</td>
<td>3(1,2)</td>
</tr>
<tr>
<td>SOW 3401</td>
<td>Social Work Research: PR: STA 204 or STA 203. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 3620</td>
<td>Social Work with Diverse Populations: PR: SOW 3300 and SOW 3104; PR or CR: SOW 3300. Social work intervention and skill development needed to serve oppressed groups. Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 3740</td>
<td>Social Work Practice with Loss &amp; Life’s Transitions: PR: General Education completed and SOW 3104. A wide range of losses across the life span will be presented from a strengths perspective. Assessment &amp; intervention recognizing cultural differences will be addressed. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 4232</td>
<td>Social Welfare Policies and Issues: PR: SOW 3200 or equivalent. Development of skills needed to critically analyze social welfare goals, structures, and practices. Proposes improvements in societal resource systems. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 4341</td>
<td>Social Work in Health Settings: Study of systematic data collection and of measurement of change in individuals, families, groups, programs, and communities. Fall.</td>
<td>3(1,2)</td>
</tr>
<tr>
<td>SOW 4342</td>
<td>Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.</td>
<td>3(1,2)</td>
</tr>
<tr>
<td>SOW 4431</td>
<td>Evaluating Social Work Practice and Service Programs: PR: SOW 3401, SOW 3300. The study of systematic data collection and of measurement of change in individuals, families, groups, programs, and communities. Occasional.</td>
<td>3(2,1)</td>
</tr>
<tr>
<td>SOW 4510</td>
<td>Field Education: PR: Completion of required courses in major: GPA 2.5 in major. CR: SOW 4522. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.</td>
<td>9(0,28)</td>
</tr>
<tr>
<td>SOW 4522</td>
<td>Field Education Seminar: PR: Completion of required courses in major: CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.</td>
<td>3(2,1)</td>
</tr>
<tr>
<td>SOW 4602</td>
<td>Social Work in Health Settings: PR: SOW 3300 and SOW 3104 or C I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 4645</td>
<td>Social Services for the Elderly: PR: SOW 3300, SOW 3304, or Gerontology Certificate Major or C I. Development of interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 4650</td>
<td>Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to MSW program or C I. The social worker’s role and interventions with victims of child abuse and their family members. Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 4654</td>
<td>Children’s Services: PR: or CR: SOW 3104. Study of societal responses to children’s needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. Fall, Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 4673</td>
<td>Social Work Practice: The Gay and Lesbian Experience: PR: SOW 3104 or C I. Sexual orientation and cultural diversity, policies and resources affecting gay &amp; lesbian people, community based therapeutic and preventive interventions with gay &amp; lesbian clients. Even Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 4700</td>
<td>Prevention and Treatment of Adolescent Substance Abuse: PR: Junior Standing. An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adolescents with substance abuse problems. Even Fall, Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 4704</td>
<td>Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 4730</td>
<td>Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 4754</td>
<td>Forensic Social Work Theory and Practice: PR: SOW 3104 or C I. The role of social workers within the courts and criminal justice system. Occasional.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 5105</td>
<td>Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 5106</td>
<td>Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>
SOW 5132 HPA-SOWK 3(3,0)  Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5235 HPA-SOWK 3(3,0)  Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and services. Fall.

SOW 5305 HPA-SOWK 3(3,0)  Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0)  Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5355 HPA-SOWK 3(3,0)  Studies in Social Work Practice: PR: C.I. Analysis of one or more social practice issues and approaches. May be repeated for credit. Occasional.

SOW 5387 HPA-SOWK 3(3,0)  Nonprofit Resource Development: PR: Admission to certificate program of C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant writing, fundraising, marketing, and government contract development and management. Occasional.

SOW 5404 HPA-SOWK 3(3,0)  Social Work Research: Study of group research designs in social work; quantitative analyzes; and related ethical issues. Fall.

SOW 5432 HPA-SOWK 3(3,0)  Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. Occasional.

SOW 5532 HPA-SOWK 2(2,0)  Generalist Field Education I: PR: Admission to MSW program. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. Fall, Even Spring.

SOW 5533 HPA-SOWK 2(2,0)  Generalist Field Education II: PR: MSW. Continuation of SOW 5532. Generalist Field Education I in the same field agency for 224 clock hours. Graded S/U. Odd Fall, Spring.

SOW 5534 HPA-SOWK 1(1,0)  Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5532. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Fall.

SOW 5538 HPA-SOWK 3(3,0)  Full-Time MSW Generalist Field Education and Seminar I: PR: Graduate standing or C.I.; CR: SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Occasional.

SOW 5539 HPA-SOWK 3(3,0)  Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Occasional.

SOW 5546 HPA-SOWK 1(1,0)  Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: Generalist Field Education II. Continuation of Generalist field education integrative seminar 1 to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Spring.


SOW 5567 HPA-SOWK 2(2,0)  Part-Time MSW Generalist Field Education and Seminar III: PR: SOW 5566. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 140 clock hours. Graded S/U. Occasional.

SOW 5568 HPA-SOWK 3(3,0)  Social Work with Women: Alternative approaches to the treatment of women in the urban setting. Occasional.

SOW 5624 HPA-SOWK 3(3,0)  Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.

SOW 5625 HPA-SOWK 3(3,0)  Social Work with Women: Integrative Seminar: PR: Admission to MSW program. Continuation of SOW 5567; includes seminar and supervised practice of social work in an agency for 140 clock hours. Graded S/U. Occasional.

SOW 5626 HPA-SOWK 3(3,0)  Aiding in Social Situations: PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmental context. Occasional.


SOW 5662 HPA-SOWK 3(3,0)  Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.


SPA 3011 HPA-COM SC&DIS 3(3,0)  Speech Science I: Production: PR: SPA 3111L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L HPA-COM SC&DIS 1(0,1)  Speech Production lab: PR: SPA 3112; CR: SPA 3011L. Physiological and acoustic measurement of speech production Graded S/U. Fall, Spring.

SPA 3101 HPA-COM SC&DIS 3(3,0)  Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.


SPA 3112 HPA-COM SC&DIS 3(3,0)  Basic Phonetics: CR: SPA 3112L. Physiological descriptions and visual rendition of standard speech patterns and regional dialects. Fall, Spring.


SPA 3123 HPA-COM SC&DIS 3(3,0)  Speech Science II: Perception: PR: SPA 3112, SPA 3011. CR: SPA 3123L. How the perception of human speech differs from that of other auditory signals. Fall, Spring.

SPA 3123L HPA-COM SC&DIS 1(1,0)  Speech Perception Lab: CR: SPA 3112, Laboratory techniques used in investigating human speech perception. Graded S/U. Fall, Spring.

SPA 3471 HPA-COM SC&DIS 3(3,0)  Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psycho-social, academic, vocational, and familial challenges as well as society’s perceptions of individuals with communication disorders. Fall, Spring.

SPA 3472 HPA-COM SC&DIS 3(3,0)  Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.


SPA 4056C HPA-COM SC&DIS 5(3,2)  Clinical Methods in Communication Disorders: PR: SPA 4476 or SPA 4400. Principles and techniques of case management with emphasis on designing individualized treatment programs for individuals with communication disorders. Students will complete 25 observation hours. Fall, Spring.

SPA 4201 HPA-COM SC&DIS 3(3,0)  Articulation And Phonological Disorders: PR: SPA 3001. Speech and language, and hearing problems in the D/HH population, including etiology, pathology, and management of hearing disorders. Occasional.


UCF Courses and Descriptions

SPA 4400  HPA-COM SC&DIS  3(3,0)

SPA 4476  HPA-COM SC&DIS  3(3,0)
Speech Disorders Across the Lifespan: PR: SPA 3471, SPA 3101, and SPA 3112. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. Fall, Spring.

SPA 4478  HPA-COM SC&DIS  3(3,0)
Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3716. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L  HPA-COM SC&DIS  3(0,3)
Undergraduate Clinical Practicum: PR: SPA 4056C; either SPA 4400 or SPA 4476, and Senior Status. Students must apply and be invited to enroll in practicum. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall, Spring. M&S fee: $45.00

SPA 4555  HPA-COM SC&DIS  3(3,0)
Counseling in Communication Disorders: PR: SPA 4500 or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4580  HPA-COM SC&DIS  3(3,0)
Augmentative and Alternative Communication Systems: PR: LIN 3711 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.

SPA 4634  HPA-COM SC&DIS  3(3,0)
Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803  HPA-COM SC&DIS  3(3,0)
Research Methods in Communication Sciences and Disorders: PR: STA 2014c or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C  HPA-COM SC&DIS  3(2,1)
Capstone Course: PR: PR or CR: SPA 4056C and senior status. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4948  HPA-COM SC&DIS  3(0,3)
Community Internship: PR: SPA 4056C and Senior Status. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.

SPA 5473  HPA-COM SC&DIS  3(3,0)
Multicultural Aspects of Communication Differences and Disorders: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. Occasional.

SPA 5554  HPA-COM SC&DIS  3(3,0)
Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.

SPA 5564  HPA-COM SC&DIS  3(3,0)
Aging and Communication: PR: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and management of older individuals with communication disorders. Occasional.

SPB 3003  BA-BUS  3(3,0)
Introduction to Sport Business Management: PR: Admission to a business major. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Occasional.

SPB 3503  BA-BUS  3(3,0)

SPB 3603  BA-BUS  3(3,0)

SPB 3823  BA-BUS  3(3,0)

SPB 4104  BA-BUS  3(3,0)
Intercollegiate Sport Industry: PR: SPB 3003. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision making. Occasional.

SPB 4204  BA-BUS  3(3,0)
Professional Sport Industry: PR: SPB 3003. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.

SPB 4304  BA-BUS  3(3,0)

SPB 4404  BA-BUS  3(3,0)

SPB 4704  BA-BUS  3(3,0)
Sport Business Strategy: PR: SPB 3003. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.

SPB 4804  BA-BUS  3(3,0)

SPC 1603  COS-COMM  3(3,0)
Fundamentals of Technical Presentations: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering technical information in public speaking situations. Fall, Spring.

SPC 1603H  COS-COMM  3(3,0)

SPC 1608  COS-COMM  3(3,0)
Fundamentals of Oral Communication: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. Fall, Spring.

SPC 3245C  COS-COMM  3(2,1)
Group Interaction and Decision-Making: PR: COM 3311. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Odd Fall, Spring.

SPC 3445  COS-COMM  3(1,2)
Leadership Through Oral Communication: PR: COM 3120 and COM 3311 or C.I. Investigation of leadership in small group communication situations, principles of effective leadership, and leadership in problem solving. Fall.

SPC 3513  COS-COMM  3(1,2)

SPC 3602  COS-COMM  3(1,2)
Advanced Public Speaking: PR: SPC 1608C or C.I. Advanced training in selecting and organizing materials for various types of speeches. Practice in thinking and speaking before audiences. Occasional.

SPC 4331  COS-COMM  3(3,0)
Nonverbal Communication: PR: COM 3311. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

SPC 4426  COS-COMM  3(3,0)

SPC 4540  COS-COMM  3(3,0)
Attitudes and Communication: PR: COM 3311. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes. Fall, Spring.

SPM 3130  ED-CFCS  3(3,0)
Aquatique Management: PR: Admission to B.S. in Sports and Fitness program or C.I. Requisite knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204  ED-CFCS  3(3,0)
Sports and Ethics: PR: Junior standing or C.I. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415  ED-CFCS  3(3,0)
Public Relations in Sports and Fitness: PR: Admission to program or C.I. Functions and responsibilities of a public relations professional or department and the interaction with the public and media representatives with specific application to sports and fitness professionals. Fall.
SPM 3504 ED-CFCS 3(3,0) Fiscal and Facilities: Issues in Sports and Fitness: PR: Admission to program or C.I. Design, maintenance, and operation of sports and fitness facilities with a specific focus on fiscal management. Fall.

SPM 4723 ED-CFCS 3(3,0) Legal Issues in Sports and Fitness: PR: Admission to program or C.I. Examination of the legal issues and problems encountered by sports and fitness professionals. Fall.

SPM 5155 ED-CFCS 3(3,0) Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry. Fundamental leadership administration and research theories as well as information on current issues are emphasized. Occasional.

SPM 5308 ED-CFCS 3(3,0) Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPM 5506 ED-CFCS 3(3,0) Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

SPN 1120C CAH-LANG 4(3,1) Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

SPN 1120H CAH-LANG 4(4,1) Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. 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.

SPN 1121C CAH-LANG 4(3,1) Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.

SPN 1121H CAH-LANG 4(4,1) Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors and SPN 1120H or equivalent. Same as SPN 1121H with honors-level content. Occasional.

SPN 1150C CAH-LANG 8(4,4) Intensive Beginning Spanish: Combines SPN 1150C and SPN 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. Occasional.

SPN 1170 CAH-LANG 8(16,10) Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.

SPN 2200 CAH-LANG 3(3,1) Intermediate Spanish Language and Civilization I: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

SPN 2200H CAH-LANG 3(3,1) Honors Intermediate Spanish: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.
UCF Courses and Descriptions

SPN 4800 CAH-LANG 3(3,0) Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S. Occasional.

SPN 4801 CAH-LANG 3(3,0) Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphosyntax, syntax, and phonology in the Spanish language, as well as the use and correct application of criterion when analyzing texts. Taught in Spanish. Occasional.

SPN 5502 CAH-LANG 3(3,0) Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

SPN 5505 CAH-LANG 3(3,0) Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

SPN 5506 CAH-LANG 3(3,0) Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

SPN 5705 CAH-LANG 3(3,0) Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

SPN 5825 CAH-LANG 3(3,0) Spanish Dialectology: PR: Graduate status or senior standing or C.I. The course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

SPN 5845 CAH-LANG 3(3,0) History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPN 5920 CAH-LANG 3(3,0) AP Spanish Language: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. Occasional.

SPT 3800 CAH-LANG 3(3,0) Spanish Translation and Interpretation: PR: Completion of 2000 level Spanish course or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

SPT 3805 CAH-LANG 3(3,0) Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

SPT 3809 CAH-LANG 3(3,0) Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

SPT 3831 CAH-LANG 3(3,0) Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. Even Fall.


SPW 3000H CAH-LANG 3(3,0) Honors: Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel-Prize-Winning writers. Through readings, students will explore the universality of Spanish literature. Occasional.

SPW 3100 CAH-LANG 3(3,0) Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. Fall.

SPW 3101 CAH-LANG 3(3,0) Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3130 CAH-LANG 3(3,0) Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to present. Spring.

SPW 3131 CAH-LANG 3(3,0) Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

SPW 3320 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor’s technique and practice in Spanish. Short scenes will be performed in class. Occasional.


SPW 3370 CAH-LANG 3(3,0) Spanish Short Story: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. Occasional.

SPW 4272 CAH-LANG 3(3,0) 20th Century Spanish Novel: PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4310 CAH-LANG 3(3,0) Golden Age Drama: PR: SPW 3100 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Naroc, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

SPW 4322 CAH-LANG 3(3,0) Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4364 CAH-LANG 3(3,0) Latin-American Narrative Essay: PR: SPW 3100 or SPW 3131 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4381 CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3101 or SPW 3130 or SPW 3311 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4382 CAH-LANG 3(3,0) Central American Literature: PR: SPW 3101 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central America 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. A study of the works written by Hispanic writers of the United States. Occasional.

SPW 4770 CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3,0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. Occasional.

SPW 4773 CAH-LANG 3(3,0) Puerto Rican Literature: PR: SPW 3100 and SPW 3101 or SPW 3310 and SPW 3311. Puerto Rican Literature from XIX Century to present. Conducted in Spanish. Occasional.

SPW 5741 CAH-LANG 3(3,0) Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

SSE 3312 ED-TLP 3(3,0) Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques, evaluation procedures. Fall, Spring.
STA 4096 COS-STAT 3(3,0) Statistical Graphics: PR: STA 2023 or STA 3032 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.

STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4161 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT 3(3,0) Life Contingencies I: PR: STA 4183 (or new number STA 4130). 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 4163 COS-STAT 3(3,0) Statistical Methods II: PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT 3(3,0) Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173 COS-STAT 3(3,0) Biostatistical Methods: CR: STA 4163 or C.I. Applied statistical principles and methods applied to problems in medical, biological, and health sciences. Occasional.

STA 4183 COS-STAT 3(3,0) Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.

STA 4184 COS-STAT 3(3,0) Introduction to Derivative Markets: PR: STA 4163 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 4163 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, distributions, Monte Carlo distributions, Brownian motion, interest rate models. Spring.

STA 4194 COS-STAT 3(3,0) Nonparametric Statistics: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.

STA 4504 COS-STAT 3(3,0) Categorical Data Analysis: PR: STA 4163 or STA 4165. Two-way and three-way contingency tables, odds ratios, partial association, logistic regression and log linear models. Occasional.


STA 4664 COS-STAT 3(3,0) Statistical Quality Control: PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. Occasional.


STA 4939 COS-STAT 3(3,0) Problems in Actuarial Science: PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk; application of these tools to problems in actuarial science. May be repeated for credit. Occasional.

STA 4942 COS-STAT 3(3,0) Practicum in Actuarial Science: PR: STA 4183 or STA 6185. Discussion and presentation by actuarial practitioners. Occasional.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 5103</td>
<td>COS-STAT Advanced Computer Processing of Statistical Data:</td>
<td>3(3,0)</td>
<td>PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports, Fall.</td>
</tr>
<tr>
<td>STA 5139</td>
<td>COS-STAT Credibility Theory and Loss Distribution:</td>
<td>3(3,0)</td>
<td>PR: STA 4322, graduate status or senior standing, or C.I. Full and partial credibility. The credibility premium. Exact credibility. Parametric and nonparametric estimation of credibility. Loss models for claim severities and frequencies. Aggregate claims models, Fall.</td>
</tr>
<tr>
<td>STA 5175</td>
<td>COS-STAT Biometry:</td>
<td>3(3,0)</td>
<td>PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biologicalecological application; one-way and multi-way ANOVA, regression; ordination; classification, Spring.</td>
</tr>
<tr>
<td>STA 5176</td>
<td>COS-STAT Introduction to Biostatistics:</td>
<td>3(3,0)</td>
<td>PR: STA 4163 or STA 4173, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model/repeated measures designs, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.</td>
</tr>
<tr>
<td>STA 5205</td>
<td>COS-STAT Experimental Design:</td>
<td>3(3,0)</td>
<td>PR: STA 4164, STA 5210, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; Incomplete block designs; factorial and fractional designs; design resolution, Spring.</td>
</tr>
<tr>
<td>STA 5206</td>
<td>COS-STAT Statistical Analysis:</td>
<td>3(3,0)</td>
<td>PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.</td>
</tr>
<tr>
<td>STA 5505</td>
<td>COS-STAT Categorical Data Methods:</td>
<td>3(3,0)</td>
<td>PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including logistic regression, McNemar’s Test, Mantel-Haenszel test. Occasional.</td>
</tr>
<tr>
<td>STA 5646</td>
<td>COS-STAT Casualty Insurance:</td>
<td>3(3,0)</td>
<td>PR: STA 4322 and STA 4641, graduate status or senior standing, or C.I. Individual risk rating and classification of risk for property/casualty insurance. Re insurance and expense issues. Reserves for insurance and loss adjustment expenses. Investment income. Occasional.</td>
</tr>
<tr>
<td>STA 5703</td>
<td>COS-STAT Data Mining Methodology I:</td>
<td>3(3,0)</td>
<td>PR: STA 5103 and STA 5206, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, PR: STA 4163 and knowledge of a programming language, graduate status or senior standing or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports, Fall.</td>
</tr>
<tr>
<td>STA 5825</td>
<td>COS-STAT Stochastic Processes and Applied Probability Theory:</td>
<td>3(3,0)</td>
<td>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, queueing theory, and simple stochastic processes. Spring.</td>
</tr>
<tr>
<td>STA 5940</td>
<td>COS-STAT Statistical Advice for Researchers:</td>
<td>1(1,0)</td>
<td>PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, analysis, interpretation. May be repeated for credit. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>STA 5948</td>
<td>COS-STAT Actuarial Science Practicum:</td>
<td>3(3,0)</td>
<td>PR: STA 4163 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.</td>
</tr>
<tr>
<td>SUR 2101C</td>
<td>ECS-CEE Surveying:</td>
<td>3(2,3)</td>
<td>PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. Spring.</td>
</tr>
<tr>
<td>SUR 3324C</td>
<td>ECS-ENT Digital Cartography:</td>
<td>3(3,1)</td>
<td>PR: SUR 4380. Coordinate systems, dot maps, data models and map digitizing, multivariate mapping, data measurement, typography, map compilation and map production. Occasional.</td>
</tr>
<tr>
<td>SUR 3331</td>
<td>ECS-ENT Photogrammetry:</td>
<td>3(3,0)</td>
<td>PR: SUR 2140C (Advanced Surveying) - offered only at community colleges. History of photogrammetry, principles of aerial imaging, digital imagery, geometry of aerial photography, image and object spaces, stereoscopy and parallax, and topographic mapping. Occasional.</td>
</tr>
<tr>
<td>SUR 3530C</td>
<td>ECS-ENT Geodetic Science:</td>
<td>3(2,2)</td>
<td>PR: SUR 2101C or C.I. Spherical trigonometry, basic topics in geodesy including geodetic reference systems and earth models, state plane coordinates, astronomical observations, time systems, and satellite orbits. Spring.</td>
</tr>
<tr>
<td>SUR 3641</td>
<td>ECS-ENT Geodetic Computations:</td>
<td>3(3,0)</td>
<td>PR: STA 2023 or equivalent. Methods of solving linear equations, theory of matrices, partial differentiation, basic statistical concepts, probability, statistical testing, differential equations, and concepts of error analysis. Occasional.</td>
</tr>
<tr>
<td>SUR 4360C</td>
<td>ECS-ENT Digital Photogrammetry:</td>
<td>3(3,1)</td>
<td>PR: SUR 4380. Frequency representation, image models, digital filtering, image sampling, global image analysis, geometric transformations, convolution, binary image analysis, and image matching fundamentals. Occasional.</td>
</tr>
<tr>
<td>SUR 4380</td>
<td>ECS-ENT Satellite Remote Sensing:</td>
<td>3(3,0)</td>
<td>PR: SUR 3331. Concept of satellite sensing, spectral reflectance, electromagnetic radiation, aerial photography, satellite orbits, image enhancement, land observation satellite systems, filtering, and image rectification. Occasional.</td>
</tr>
<tr>
<td>SUR 4403C</td>
<td>ECS-ENT Boundary Location:</td>
<td>3(3,0)</td>
<td>PR: ETB 3350C or C.I. Professional liability, ethics, boundaries creation, property surveying and ownership, retracement surveys, evidence &amp; preservation of evidence, easements, and role of surveyor in court. Occasional.</td>
</tr>
<tr>
<td>SUR 4420C</td>
<td>ECS-ENT Cadastral Information Systems:</td>
<td>3(3,0)</td>
<td>PR: SUR 4463. Cadastral survey, land and cadastral, land registration process, legal cadastral, physical cadastral, economical cadastral, modern cadastral information system components, and parcel identifiers. Occasional.</td>
</tr>
<tr>
<td>SUR 4463C</td>
<td>ECS-ENT Land Subdivision and Platting:</td>
<td>3(3,0)</td>
<td>PR: SUR 4420. Land development analysis, regulations and subdivision ordinance, plat recording, development potential evaluation, and site design considerations including topographic, geo-technical, and plat design specification. Occasional.</td>
</tr>
<tr>
<td>SUR 4531C</td>
<td>ECS-ENT Positioning with GPS:</td>
<td>3(3,0)</td>
<td>PR: SUR 3530C. History of GPS, reference system, GPS signals, GPS observables, GPS errors, differential GPS, kinematic GPS, and data adjustments. Occasional.</td>
</tr>
<tr>
<td>SYA 3110</td>
<td>COS-SOC Social Theory:</td>
<td>3(3,0)</td>
<td>PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the nature of mankind as a “social being.” The nature of society from the beginnings of the scientific study of human life to World War II. Spring.</td>
</tr>
<tr>
<td>SYA 3120</td>
<td>COS-SOC Contemporary Social Theory:</td>
<td>3(3,0)</td>
<td>PR: Junior standing and 9 hours of upper level sociology courses or C.I. A study of major European and American contributors to modern sociology since World War II. Occasional.</td>
</tr>
<tr>
<td>SYA 3400C</td>
<td>COS-SOC Applied Social Statistics:</td>
<td>4(3,1)</td>
<td>PR: SYG 2000 and one other sociology course. Application of statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. Fall.</td>
</tr>
<tr>
<td>SYA 4300C</td>
<td>COS-SOC Research Methods:</td>
<td>4(3,2)</td>
<td>PR: SYG 2000 or SYG 2010 or C.I. Sociological data collectors, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.</td>
</tr>
<tr>
<td>SYA 4310C</td>
<td>COS-SOC Qualitative Research Analysis in Sociology:</td>
<td>4(3,1)</td>
<td>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.</td>
</tr>
<tr>
<td>SYA 4450C</td>
<td>COS-SOC Data Analysis:</td>
<td>4(3,2)</td>
<td>PR: SYA 4300C and SYA 3400C. 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.</td>
</tr>
<tr>
<td>SYA 4650C</td>
<td>COS-SOC Community Action and Involvement:</td>
<td>3(2,2)</td>
<td>PR: SYG 2000 or SYG 2010 or C.I. Utilization of sociological principles in the treatment of practical human problems and organization. Occasional.</td>
</tr>
<tr>
<td>SYA 5625</td>
<td>COS-SOC ProSeminar:</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>SYA 5652</td>
<td>COS-SOC Advanced Population:</td>
<td>3(3,0)</td>
<td>PR: Graduate standing or C.I. Examines the theories, methods, and information utilized by demographers and focuses on techniques of application of those skills. Occasional.</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>COS-SOC Race and Ethnicity:</td>
<td>3(3,0)</td>
<td>PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall.</td>
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</tbody>
</table>

SYD 3751 COS-SOC 3(3,0) North American Indian Women Today: PR: 2000 level social science course or C.I. Examination of works of modern North American Indian women within context of sovereign rights. Issues include myths, gender roles, coerced sterilization, child welfare, and economic opportunities. Occasional.

SYD 3752 COS-SOC 3(3,0) Modern Law in Indian Country: PR: 2000 level social science course or C.I. Examination of impact of unique legal relationship between American Indian governments and state federal governments. Legal issues include criminal justice, child welfare, and land ownership. Occasional.

SYD 3800 COS-SOC 3(3,0) Sex and Gender in Society: PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.


SYD 4510 COS-SOC 3(3,0) Environment and Society: PR: SYG 2000 or C.I. Applies the sociological perspective and sociological methods of analysis to the relationships between human behavior and the environment. Odd Spring.

SYD 4514 COS-SOC 3(3,0) Environmental Movement: PR: SYG 2000 or SYG 2010 or C.I. Origins, evolution, current status and societal impacts of the environmental movement via sociological theory, concepts and research on social movements. Occasional.

SYD 4810 COS-SOC 3(3,0) Women in Contemporary Society: PR: SYG 2000 or WST 3015 or C.I. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and politics). Fall, Spring.


SYD 5517 COS-SOC 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-SOC 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 intersections of race, class, and gender in American society. Occasional.

SYG 2000 COS-SOC 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-SOC 3(3,0) General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.

SYG 2010 COS-SOC 3(3,0) Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorder, and violence. Fall, Spring.

SYG 3949 COS-SOC 3(3,0) Cooperative Education in Sociology: PR: Departmental permission required before registering. Cooperative education experience in sociology. Graded S/U. May be repeated for credit. Occasional.

SYO 3000 COS-SOC 3(3,0) Contemporary Society: PR: SYG 2000 or SYG 2010 or C.I. Exploration of contemporary sociology. Conceptual analysis and methodological techniques, presentation and utilization of sociological literature on major social institutions. Occasional.

SYO 3360 COS-SOC 3(3,0) Social Organization and Human Relations: Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, social structure, effects of technology, motivation, leadership, decision-making, and human relations. Occasional.

SYO 3410 COS-SOC 3(3,0) Patterns of Mental Health in Society: PR: SYG 2000 or C.I. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. Occasional.

SYO 3530 COS-SOC 3(3,0) Social Power and Inequality: PR: SYG 2000 or C.I. Study of class, status and power, cultural variations in stratification systems; patterns of mobility and change. Occasional.

SYO 4100 COS-SOC 3(3,0) Family Trends: PR: SYG 2000 or SYG 2010 or C.I. Intimate relationships, practices, trends and issues affecting today's marriages and families. Fall, Spring.

SYO 4200 COS-SOC 3(3,0) Religion in Society: PR: SYG 2000 or C.I. The relationship between the religious institution and social stratification; family, education, as well as issues pertaining to gender, race, ethnicity, and age. Occasional.

SYO 4250 COS-SOC 3(3,0) Education and Social Achievement: PR: SYG 2000 or C.I. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. Occasional.

SYO 4300 COS-SOC 3(3,0) Political Sociology: Sociological analysis of political and parapolitical groups; socioeconomic variable of voting behavior, power elites; societies and systems of government. Occasional.

SYO 4323 COS-SOC 3(3,0) Community and Diversity: PR: SYG 2000 and junior standing. The formation of social systems in response to social problems and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effect on the form and effectiveness of social systems. Occasional.

SYO 4400 COS-SOC 3(3,0) Medical Sociology: Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYO 3340 COS-SOC 3(3,0) Fads, Crowds, and Social Action: PR: SYG 2000 or C.I. Analysis of relatively unstructured social situations, such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. Occasional.

SYO 3350 COS-SOC 3(3,0) Sociology of Deviant Behavior: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of the types of and societal reactions to, deviant behavior with special emphasis on stigmatization. Spring.

SYO 3351 COS-SOC 3(3,0) Sociology of Murder: PR: SYG 2000 or SYG 2010 or C.I. An analytical study of murder in the U.S.; topics include different types of homicides, offenders, victims, and circumstances. Fall.

SYO 3520 COS-SOC 3(3,0) Criminology: PR: SYG 2000 or SYG 2010 or C.I. Chef causes of anti-social behavior and current methods of prevention and reform. Effects of heredity and environment, prevalence of delinquency and crime, penal institutions. Fall, Spring.

SYO 3530 COS-SOC 3(3,0) Juvenile Delinquency: Types of delinquency behavior found among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. Occasional.

SYO 3540 COS-SOC 3(3,0) Sociology of Law: PR: SYG 2000 or SYG 2010 or C.I. The relationship between law and society, including the functions of law and its organization, social and economic consequences, jury selection, and modern trends. Occasional.

SYO 3551 COS-SOC 3(3,0) Patterns of Alcoholism in Society: PR: SYG 2000 or C.I. Introduction to the nature of alcoholism and review of its impact on society. Occasional.

SYO 3562 COS-SOC 3(3,0) Patterns of Domestic Violence in Society: PR: SYG 2000 or C.I. Sociological perspectives on all forms of domestic violence, including theoretical explanations, prevalence, risk factors, dynamics of prevention, and intervention. Occasional.

SYO 3602 COS-SOC 3(3,0) Patterns of Popular Music in Society: PR: SYG 2000 or SYG 2010 or C.I. The role of popular music in social change and in reflecting American culture. Consideration is given to the nature of the popular music business. Occasional.

SYO 3630 COS-SOC 3(3,0) Popular Culture in Society: PR: Junior Standing or C.I. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity and age. Occasional.

SYO 3650 COS-SOC 3(3,0) Sports and Society: PR: SYG 2000 or SYG 2010 or C.I. Utilization of sociological concepts and theories to investigate sport as a social institution. Includes subjects of racism, sexism, drug abuse, violence, and current issues of sport. Occasional.

## UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Notes</th>
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<tbody>
<tr>
<td>THE 5248 CAH-THEA</td>
<td>Musical Theatre in History</td>
<td>3(3,0)</td>
<td>PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese opera to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genres. Emphasis will be placed upon historical trends and theatrical viability. Fall.</td>
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</tr>
<tr>
<td>THE 5278C CAH-THEA</td>
<td>Musical Theatre Lab</td>
<td>1(1,1)</td>
<td>PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. Spring.</td>
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</tr>
<tr>
<td>THE 5288 CAH-THEA</td>
<td>Period Costumes, Architecture and Décor I</td>
<td>3(3,0)</td>
<td>PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the Renaissance. Fall.</td>
<td></td>
</tr>
<tr>
<td>THE 5289 CAH-THEA</td>
<td>Period Costumes, Architecture and Décor II</td>
<td>3(3,0)</td>
<td>PR: THE 5288. Costumes, architecture and decor from the Renaissance to present. Spring.</td>
<td></td>
</tr>
<tr>
<td>THE 5385 CAH-THEA</td>
<td>Dramatic Literature for Children</td>
<td>3(3,0)</td>
<td>PR: Admission to MFA graduate program or C.J. An in-depth study of the growth and development of dramatic literature for children. Even Fall.</td>
<td></td>
</tr>
<tr>
<td>THE 5910 CAH-THEA</td>
<td>Research Methods in Theatre</td>
<td>3(3,0)</td>
<td>PR: MFA and MA in Theatre. Practice, knowledge, skills and techniques needed by students to conduct research to include organization, theory and practice of technical theatre production. Fall.</td>
<td></td>
</tr>
<tr>
<td>THE 5945L CAH-THEA</td>
<td>Theatre Practicum I</td>
<td>1(0,20)</td>
<td>PR: Graduate status or C.J. A laboratory course designed to develop students' practical working knowledge in Theatre. Occasional.</td>
<td></td>
</tr>
<tr>
<td>THE 5946L CAH-THEA</td>
<td>Theatre Practicum II</td>
<td>1(0,20)</td>
<td>PR: Admission into the graduate program, Theatre Practicum I: A laboratory course designed to develop students' practical working knowledge in theatre. Occasional.</td>
<td></td>
</tr>
<tr>
<td>TPA 2000C CAH-THEA</td>
<td>Theatre Design Basics</td>
<td>3(2,2)</td>
<td>PR: BFA Design/Techn or Stage Management major. C. (2.0) or better required in THE 2000 or THE 2010. Basic design skills for scenic, lighting and costume designers using color, grayscales, textures and symmetry to create a strong stage presence. Fall.</td>
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</tr>
<tr>
<td>TPA 2010C CAH-THEA</td>
<td>Scenography</td>
<td>3(2,2)</td>
<td>PR: “C” (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costumes and sound. Occasional.</td>
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</tr>
<tr>
<td>TPA 2071C CAH-THEA</td>
<td>Theatre Rendering</td>
<td>3(2,2)</td>
<td>PR: “C” (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.</td>
<td></td>
</tr>
<tr>
<td>TPA 2201 CAH-THEA</td>
<td>Technical Theatre Production</td>
<td>2(0)</td>
<td>PR: B.A. Theatre, B.F.A. Musical Theatre/Acting major or minor. PR: “C” (2.0) or better in THE 2000 or THE 2000; CR: TPA 2201L. Development, theory and practice of all areas of technical theatre production. Fall. Spring.</td>
<td></td>
</tr>
<tr>
<td>TPA 2201L CAH-THEA</td>
<td>Technical Theatre Production Lab</td>
<td>1(0,6)</td>
<td>CR: TPA 2201. Practical projects in scenic construction. Occasional. M&amp;S fee: $15.00</td>
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<tr>
<td>TPA 2210 CAH-THEA</td>
<td>Stagecraft I</td>
<td>3(3,0)</td>
<td>PR: BFA Design/Techn or Stage Management, CR: TPA 2210L. Development, theory, and practice of technical theatre production. Fall.</td>
<td></td>
</tr>
<tr>
<td>TPA 2210L CAH-THEA</td>
<td>Stagecraft I Lab</td>
<td>1(0,6)</td>
<td>PR: or CR: “C” (2.0) or better in TPA 2210. Practical projects in scenic construction. Occasional. M&amp;S fee: $45.00</td>
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<tr>
<td>TPA 2211 CAH-THEA</td>
<td>Stagecraft II</td>
<td>3(2,2)</td>
<td>PR: “C” (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Hand-drafting, properties design, and construction. Spring.</td>
<td></td>
</tr>
<tr>
<td>TPA 2211L CAH-THEA</td>
<td>Stagecraft II Lab</td>
<td>1(0,6)</td>
<td>PR: “C” (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Practical projects in scenic and property construction. Occasional. M&amp;S fee: $45.00</td>
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</tr>
<tr>
<td>TPA 2220C CAH-THEA</td>
<td>Stage Electronics</td>
<td>3(2,2)</td>
<td>PR: or CR: THE 2000 or THE 2010 and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including electricity, lighting equipment and sound equipment. Fall. M&amp;S fee: $29.50</td>
<td></td>
</tr>
<tr>
<td>TPA 2230C CAH-THEA</td>
<td>Costume Construction</td>
<td>3(2,2)</td>
<td>PR: THE 2000 or THE 2000; and BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of stage costumes. Spring. M&amp;S fee: $15.00</td>
<td></td>
</tr>
<tr>
<td>TPA 2248C CAH-THEA</td>
<td>Makeup Techniques</td>
<td>2(2,2)</td>
<td>PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup. Fall. Spring. M&amp;S fee: $15.00</td>
<td></td>
</tr>
<tr>
<td>TPA 2290L CAH-THEA</td>
<td>Theatre Participation-Production</td>
<td>1(0,VAR)</td>
<td>PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall. Spring. M&amp;S fee: $15.00</td>
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</tr>
<tr>
<td>TPA 2600 CAH-THEA</td>
<td>Stage Management Basics</td>
<td>3(3,0)</td>
<td>PR: “C” (2.0) or better in THE 2000 or THE 2000 and BFA Stage Management major. Functions and responsibilities of professional stage managers. Occasional.</td>
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<tr>
<td>TPA 3040C CAH-THEA</td>
<td>Costume Design for Theatre I</td>
<td>3(2,2)</td>
<td>PR: “C” (2.0) or better in TPA 2010C. Projects in the fundamentals of costume design for the stage. Fall.</td>
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<tr>
<td>TPA 3040CL CAH-THEA</td>
<td>Costume Design for Theatre I</td>
<td>3(2,2)</td>
<td>PR: “C” (2.0) or better in TPA 2010C. Projects in the fundamentals of costume design for the stage. Fall.</td>
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</tr>
<tr>
<td>TPA 3060C CAH-THEA</td>
<td>Scenic Design for Theatre I</td>
<td>3(2,2)</td>
<td>PR: “C” (2.0) or better in TPA 2010C. Projects in the fundamentals of scenic design for the stage. Fall. M&amp;S fee: $37.00</td>
<td></td>
</tr>
<tr>
<td>TPA 3077C CAH-THEA</td>
<td>Scenic Painting</td>
<td>3(2,2)</td>
<td>PR: “C” (2.0) or better in TPA 2000C and TPA 2071C. Projects in scenic painting techniques. Fall. M&amp;S fee: $45.00</td>
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</tr>
<tr>
<td>TPA 3195L CAH-THEA</td>
<td>Summer Theatre Studio/TechnDesign</td>
<td>1(0,VAR)</td>
<td>PR: Departmental consent by audition or interview. Studio, analysis and execution of technical/design aspects for playscripts produced on UCF mainstage. May be repeated for credit. Occasional. M&amp;S fee: $20.00</td>
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<tr>
<td>TPA 3195L CAH-THEA</td>
<td>Summer Theatre Studio/TechnDesign</td>
<td>3(0,VAR)</td>
<td>PR: Departmental consent by audition or interview. Continuation of TPA 3195L. May be repeated for credit. Occasional. M&amp;S fee: $20.00</td>
<td></td>
</tr>
</tbody>
</table>
TPA 4401C CAH-THEA 3(2,2)
Theatre Careers in Production: PR: B.F.A. DesignTech or Stage Management, Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

TPA 4602 CAH-THEA 3(3,0)
Advanced Stage Management: PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. Fall.

TPA 5029C CAH-THEA 3(2,2)
Lighting Design Studio: PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as an artistic expression. Occasional.

TPA 5042C CAH-THEA 3(2,2)
Costume Design Studio: PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. Occasional.

TPA 5062C CAH-THEA 3(2,2)
Scene Design Studio: PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic designs for the theatre. Spring.

TPA 5081C CAH-THEA 3(3,3)
Design Concepts for Youth Theatre: PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. Odd Spring.

TPA 5085C CAH-THEA 2(2,2)

TPA 5095C CAH-THEA 1(1,1)
Rendering for Theatre I: PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. Fall.

TPA 5175C CAH-THEA 1(1,1)

TPA 5345C CAH-THEA 2(2,2)
2D Computer Assisted Design for Theatre: PR: Admission into the Theatre MFA Design track. Two-Dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5346C CAH-THEA 2(2,2)
3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.

TPA 5405 CAH-THEA 3(3,0)
Theatre Management for Non-Majors: PR: THE 200 or THE 2000, graduate status, or C.I. Study of university community and professional theatrical management with special attention to the principles of management to include management skills/function and organizational system/performance as they relate to theatrical organizations/insitutions. Fall.

TPA 5885C CAH-THEA 2(2,2)
Puppetry: PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance. Odd Spring. M&S fee: $30.00

TPA 5946C CAH-THEA 1(0,20)
Design Practicum I: PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.

TPA 5949C CAH-THEA 1(0,20)
Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the practical application of Properties and/or Design for the Theatre. Occasional.

TPP 2101 CAH-THEA 3(3,0)
Fundamentals of Acting: PR: B.A. Theatre Major or minor, and C (2.0) or better in THE 2000 or THE 2020. Development of imagination, self-awareness and the ability to execute basic stage tasks. Fall, Spring.

TPP 2110C CAH-THEA 3(2,2)

TPP 2170C CAH-THEA 3(2,2)
Acting II - The Actor Prepares: PR: "C" (2.0) or better in TPP 2110C. Fundamental techniques to acting, with emphasis on characterization and character development. Fall, Spring.

TPP 2185 CAH-THEA 3(3,0)
Acting for Non-majors: Introduction to the fundamentals of acting. Fall, Spring.

TPP 2190L CAH-THEA 1(0,VAR)
Theatre Participation-Performance I: PR: Theatre major or minor or department consent. Participation in UCF Theatre productions. May be repeated for credit 8 times. Fall, Spring. M&S fee: $15.00

TPP 2260 CAH-FILM 3(3,0)
Acting for Film: PR: Film Majors. An introduction to acting for the camera. Occasional.

TPP 2700C CAH-THEA 3(2,2)
Stage Speech/Voice: PR: BA Theatre major and minor or C (2.0) or better in THE 2000 or THE 2020. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. Fall.

TPP 2710C CAH-THEA 2(2,1)

TPP 3103 CAH-THEA 3(3,0)
Intermediate Acting: PR: B.A. Theatre major or minor and C (2.0) or better in TPP 3257C. Practical acting techniques begun in Acting II, with emphasis on characterization and character development. Spring, Summer.

TPP 3172C CAH-THEA 3(2,2)
Acting III - Building the Character: PR: Grade of C (2.0) or better required in TPP 2170C. Reinforcement of acting techniques begun in Acting II, with emphasis on characterization and character development. Spring.

TPP 3197L CAH-THEA 3(0,VAR)
Summer Theatre/Performance: PR: Audition/interview or departmental consent. Production assignments and responsibilities during the rehearsals/performances of play scripts produced on the UCF mainstage. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $20.00

TPP 3250 CAH-THEA 3(2,2)
Musical Theatre Acting I: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2110C. Practical acting techniques with solo musical theatre repertoire. Fall.

TPP 3252 CAH-THEA 3(2,0)
Musical Theatre Acting II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3250. Practical acting technique as it applies to musical theatre scene study. Spring.

TPP 3257C CAH-THEA 2(2,2)

TPP 3258C CAH-THEA 2(2,2)
Musical Theatre Voice II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3257C. Artistry of singing including function of music and lyrics, and problems in song interpretation utilizing musical theatre repertoire. Fall.

TPP 3264C CAH-THEA 3(3,2)
Acting on Camera: PR: BA Theatre Major; a "C" (2.0) or better in TPP 2101, TPP 3103, and THE 2020. Preparing the actor for professional work in the TV/Film industry. Occasional.

TPP 3310C CAH-THEA 3(2,2)
Directing for Theatre I: PR: Theatre majors, Junior Standing, and C (2.0) or better required in THE 3312. Principles and techniques of play direction to include script selection, directorial analysis, casting, composition/dramatization, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3510C CAH-THEA 2(2,1)
Movement for the Actor I: PR: BFA Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. Fall.

TPP 3512C CAH-THEA 2(2,1)
Stage Combat: PR: Grade of C (2.0) or better required in TPP 3513C. Stage combat with emphasis on hand-to-hand combat. Spring.

TPP 3513C CAH-THEA 2(2,1)
Movement for the Actor II: PR: C (2.0) or better in TPP 3510C. Reinforcement of the techniques of TPP 3510C. Fall.

TPP 3511C CAH-THEA 2(2,1)
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 3712C CAH-THEA 2(2,1)
Voice Production III: PR: "C" (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. Fall.

TPP 3730C CAH-THEA 2(2,1)
Voice Production IV: PR: Grade of C (2.0) or better required in TPP 3732C. Analysis of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. Fall.

TPP 3952L CAH-THEA 3(0,VAR)
Summer Studio Performance: PR: Audition/interview or departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $20.00

TPP 4140C CAH-THEA 3(2,2)
Acting IV - Creating the Role: PR: "C" (2.0) or better in TPP 3140C. Continued exploration and application of acting techniques through scene study. Fall.

TPP 4142C CAH-THEA 3(2,2)
Acting V - Verse: PR: Grade of C (2.0) or better required in TPP 4140C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Spring.

TPP 4143C CAH-THEA 3(2,2)
Acting Styles: PR: "C" (2.0) or better in TPP 3103 or TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.
UCF Courses and Descriptions

TPP 4193L CAH-THEA 1(0,VAR)
Theatre Participation-Performance II: PR: Theatre major or minor and "C" (2.0) or better in TPP 4210L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee: $15.00

TPP 4221 CAH-THEA 3(3,0)
Auditioning: PR: "C" (3.0) or better in TPP 3103 or TPP 4104. Selecting monologues, auditioning techniques and cold readings. Occasional.

TPP 4223C CAH-THEA 3(2,2)
Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243 CAH-THEA 2(2,2)
Circus Arts: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(2,2)
The Art of Storytelling: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2010 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4253C CAH-THEA 3(2,2)
Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3258C. Advanced work in character-based person construction and performance with an emphasis on show preparation. Occasional.

TPP 4295C CAH-THEA 2(2,2)
Musical Theatre Voice III: PR: "C" (2.0) or better in TPP 3252 and TPP 3258C. Advanced diagnosis of vocal challenges - utilizing musical theatre repertoire. Individualized instruction. Spring.

TPP 4265C CAH-THEA 3(3,2)
Acting VI - Acting for TV/Film: PR: "C" (3.0) or better in TPP 4142C. Application of previous acting training to the TV/Film medium. Fall.

TPP 4268C CAH-THEA 3(3,2)
Acting VII Advanced Acting For TV/Film: PR: "C" (3.0) or better in TPP 4265C. A practical, detailed, and structured approach to acting for the camera by working on a TV/Film project. Spring.

TPP 4270C CAH-THEA 2(2,2)
Music Theatre Voice V: PR: "C" (2.0) or better in TPP 4023C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271C CAH-THEA 2(2,2)
Music Theatre Voice VI: PR: "C" (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to musical theatre performance. Individualized instruction. Fall.

TPP 4311C CAH-THEA 3(2,2)

TPP 4531C CAH-THEA 2(2,1)
Period Movement: PR: Grade of C (2.0) or better required in TPP 3172C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4746C CAH-THEA 2(2,2)

TPP 4923C CAH-THEA 2(2,2)
Musical Theatre Voice IV: PR: "C" (2.0) or better in TPP 4259C. Continuation of diagnosis and development of the singing voice using repertoire in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. Fall.

TPP 4940L CAH-THEA 6(0,VAR)

TPP 5125C CAH-THEA 2(2,2)
Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dialogue and the exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 3(2,2)
Acting Studio I: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

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/Chekhov/Shaw. Spring.

TPP 5246C CAH-THEA 2(2,2)
Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA 2(2,2)
Storytelling as a Theatrical Art Form: PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273 CAH-THEA 2(2,0)
Musical Theatre Acting I: PR: TPP 5157C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. Occasional.

TPP 5298C 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 5915. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515 CAH-THEA 2(2,0)
Movement Studio I: PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on relaxation, centering, increased physical control, and physical development of a character. Fall.

TPP 5516C CAH-THEA 2(2,1)
Movement Studio II: PR: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unarmed combat. Spring.

TPP 5554C CAH-THEA 2(2,4)
Musical Theatre Dance I: PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.

TPP 5555C CAH-THEA 2(2,4)
Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA 2(2,1)
Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage: the correct production of sound, breathing, relaxation of physical tension, and articulation. Fall.

TPP 5716C CAH-THEA 2(2,1)
Stage Voice II: PR: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner's narrow transcription 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 MFA Musical Theatre program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2,2)
Contemporary Practices in Youth Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAH-LANG 3(3,0)
English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 4080 ED-TLP 3(3,0)
Theory and Practice of Teaching ESOL Students in Schools: PR: Graduate status or senior standing. This course is designed to prepare English teachers for use with limited English proficient students, and includes components of teaching English to Speakers of Other Languages (ESOL) curriculum, methods of teaching English to Speakers of Other Languages (ESOL), English as a Second Language (ESOL), and methods of teaching English to Speakers of Other Languages (ESOL). Fall.

TSL 4240 CAH-LANG 3(3,0)

TSL 5085 ED-TLP 3(3,0)
Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESL 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, and methods of teaching ESOL to meet the needs of limited English proficient students. Occasional.

TSL 5345 ED-TLP 3(3,0)
Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5376 CAH-LANG 3(3,0)
Reading and Writing in a Second Language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5380 CAH-LANG 3(3,0)
Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Co-requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3015H</td>
<td>CAH-WOM</td>
<td>3(3.0)</td>
<td>PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. Even Spring.</td>
</tr>
<tr>
<td>WST 3020</td>
<td>CAH-WOM</td>
<td>3(3.0)</td>
<td>Girls' Studies: PR: ENC 1102. Field study within Women's Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.</td>
</tr>
<tr>
<td>WST 3371</td>
<td>CAH-WOM</td>
<td>3(3.0)</td>
<td>Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles facing women leaders, and learning from women leaders. Occasional.</td>
</tr>
<tr>
<td>WST 3500</td>
<td>CAH-WOM</td>
<td>3(3.0)</td>
<td>Gender Issues and Community Activism: PR: WST 3015 or CI. Feminist perspectives applied to current community issues. Interdisciplinary analysis through service learning and field research. Issues will vary. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>WST 3522</td>
<td>CAH-WOM</td>
<td>3(3.0)</td>
<td>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.</td>
</tr>
<tr>
<td>WST 3561</td>
<td>CAH-WOM</td>
<td>3(3.0)</td>
<td>Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.</td>
</tr>
<tr>
<td>WST 3621</td>
<td>CAH-WOM</td>
<td>3(3.0)</td>
<td>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.</td>
</tr>
<tr>
<td>WST 4002</td>
<td>CAH-WOM</td>
<td>1(1.0)</td>
<td>Researching Women and Gender: PR: WST 3015 or CI. Introduces students to scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.</td>
</tr>
</tbody>
</table>
ZOO 4605 COM-M&M  3(3,0)

ZOO 4704C COM-M&M  4(3,1)
Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C with a B (3.0) or better. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.

ZOO 4704H COM-M&M  4(3,2)
Honors Clinical Neuroanatomy: PR: ZOO 3733C and Honors consent. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and neuroscience. Occasional.

ZOO 4747C COM-M&M  4(3,1)
Clinical Neuroscience: PR: ZOO 3744 or ZOO 4704C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.

ZOO 4747H COM-M&M  4(3,1)
Clinical Neuroscience Honors: PR: ZOO 3744 or ZOO 4704C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors content. Spring.

ZOO 4753C COM-M&M  4(3,3)
Vertebrate Histology: PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. Spring. M&S fee: $25.00

ZOO 5456C COS-BIOL  4(2,6)
Ichthyology: PR: ZOO 4310C, and graduate status or senior standing or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Fall. M&S fee: $25.00

ZOO 5463C COS-BIOL  4(2,4)
Herpetology: PR: PCB 3044 or PCB 4683 or equivalent. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Odd Spring. M&S fee: $15.00

ZOO 5475L COS-BIOL  3(0,6)
Field Ornithology: PR: PCB 3044 and graduate standing or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. Occasional. M&S fee: $30.00

ZOO 5486C COS-BIOL  4(2,6)
Mammalogy: PR: 6 hours of Zoology, and graduate status or senior standing, or C.I. Introduction to the biology of mammals, their classification, evolution, and life histories. Occasional. M&S fee: $15.00

ZOO 5745C COM-M&M  4(3,3)
Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&S fee: $15.00

ZOO 5748C COM-M&M  5(3,2)
Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.

ZOO 5881C COS-BIOL  4(3,4)
Fisheries Management: PR: ZOO 4310C, graduate status or senior standing, or C.I. Fisheries management of freshwater environments to include identification, sampling methods, farming and hatchery operations, propagation and population estimates. Occasional. M&S fee: $20.00
ABBAS, HADI, Assistant Professor of Art (1995), B.F.A., M.F.A. (Wichita State University)

ABDALLAH, NAZIH, Lecturer School of Electrical Engineering and Computer Science (2005), Ph.D. (University of Paris)

ABDEL-ATY, MOHAMED, Professor of Engineering (1995), B.S.C.E., M.S.C.E., Ph.D. (University of California at Davis), P.E. (Florida)

ABEL, EILEEN M., Associate Professor of Social Work (1978), A.B., M.S.W., Ph.D., (Case Western Reserve University)

ABRAHAM, CHARLIE, Associate Professor of Art (1996), B.F.A., M.F.A. (University of Massachusetts)

ADAMS, JOANNE, Visiting Associate Professor of Digital Media (2008), B.F.A, M.F.A (University of Florida)

ADAMS, KENNETH, Professor of Public Affairs (2003), Ph.D (State University of New York at Albany)


AHANGARI, RAHELEH, Instructor (2007), M.D. (Carol Davila University of Medicine and Pharmacy), Ph.D. (University of Salamanca)


AHERN, NANCY, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Central Florida)

AJAYI, RICHARD A., Associate Professor of Finance (1996), B.Sc., M.B.A., Ph.D. (Temple University)

AKITA, KIMIKO, Assistant Professor of Communication (2005), B.A., M.A., Ph.D. (Ohio University)

AL-DEEK, HAITHAM, Professor of Engineering (1992), B.C.E., M.S., Ph.D. (University of California at Berkeley), P.E. (Florida)

ALABI, FORTUNE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

ALBERS-BIDDLE, JUNIE, Instructor of Education (2001), B.A., M.A. (University of Central Florida)

ALDERMAN, BARBARA, Assistant Librarian (2002), B.A., M.S. (Florida State University)

ALEXANDER-SNOW, MIA, Assistant Professor of Education (2008), B.A., M.Ed., Ph.D. (Vanderbilt University)

ALI, TARIG, Assistant Professor of Engineering Technology (2006), B.S., M.S., Ph.D. (Ohio State University)

ALLEN, FRANK R., Associate Director for Administrative Services (1998), B.A., B.S., M.B.A., M.L.S. (University of Tennessee)

ALLEN, JEFFERY W., Associate Professor of Marketing (1990), B.S., M.B.A., D.B.A. (University of Kentucky)

ALLEN, KAY WILLIAMSON, Associate Professor of Education (1990), B.S., M.Ed., Ph.D. (University of South Carolina)

ALLGOOD, JANE, Graduate Coordinator and Assistant Professor of Social Work (2002), B.A., M.S.W., Ph. D. (Florida State University)

ALLRED, KELLY, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., Ph.D. (University of Central Florida)

ALMEIDA, JOHN A., Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)

ALRUTZ, MEGAN, Assistant Professor of Theatre (2004), B.F.A., Ph.D. (Arizona State University)

ALVAREZ, DIANE E., Assistant Professor of Education (2003), B.A., M.A., M.A., Ph.D. (UNIVERSITY OF CALIFORNIA)

AMBROSE, MAUREEN L., Professor of Management (1999), B.A., M.A., Ph.D. (University of Illinois at Urbana-Champaign)

AMIDEI, CHRISTINA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (Loyola University of Chicago)

AN, LINAN, Associate Professor of Engineering (2001), Ph.D. (Lehigh University)

ANDREASEN, JANET, Visiting Assistant Professor of Education (2005), B.A., M.A., Ed.D. (University of Central Florida)

ANDREWS, DIANE, Assistant Professor, College of Nursing (2006), R.N., Ph.D. (University of Central Florida)

ANGELOPOULOS, THEODORE, Professor of Health Sciences and Secondary Joint Professor of Medicine (1998), B.S., M.S., Ph.D. (University of Pittsburgh)

ANGLEY, PATRICIA, Instructor of English (1998), B.A., M.A., Ph.D. (University of Hawaii)

ANTON, WILMA, Assistant Professor of Economics (2001), B.S., M.S., ABD (University of Illinois)

APPLEGATE, BRANDON, Associate Professor of Criminal Justice (1996), B.S., M.S., Ph.D. (University of Cincinnati)

APPLEN, J.D., Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)

ARK, PAMELA, Assistant Professor, College of Nursing (2004), R.N., Ph.D. (University of Tennessee, Memphis)

ARONIAN, KAREN, Professor, College of Nursing (2008), B.S., M.S., Ph.D. (University of Washington)

ARTHUR, MICHAEL A., Head, Acquisitions & Collections and Assistant Librarian (2006), B.S., M.L.S., M.P.A. (Old Dominion University)

ASHLEY, ROBERT J., Assistant Professor of Hospitality Management (1984), B.S., M.S. (Florida International University, C.C.E., C.C.E.)

ATKINSON, TOM, Visiting Assistant Professor of Education (2006), B.M.E., M.S.E., Ph.D. (Louisiana State University)

AVNI, DORA, Visiting Instructor of Hebrew (2007), B.A., M.A. (Ohio State University)

AZIMI, CYRUS, Lecturer of Psychology (2000), B. S., M. A., Ph.D. (Michigan State University)

BAGLEY, GEORGE M., Associate Professor of Communication (1994), B.A., M.A. (University of Utah)

BAI, HAIYAN, Assistant Professor of Education (2006), B.A., M.A., Ph.D. (University of Cincinnati)

BAILEY, CHARLES D., Professor of Accounting (1991), B.B.A., M.B.A., M.P.A., Ph.D. (Georgia State University)

BAILL, L. CORI, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D.

BAKER, BARRY B., Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University)

BAKER, JOSIAH B., Outstanding Associate Professor (2006), B.A., M.A., Ph.D. (University of Central Florida)


BALKY, JOHN, Associate Professor of Chemistry (1996), B.S., M.S., Ph.D. (University of Central Florida)

BALLENTyne, JOHN, Associate Professor of Chemistry (1998), B.S., M.S., Ph.D. (State University of New York at Stony Brook)

BART, NATURE, Assistant Professor of Anthropology (2007), Ph.D. (University of Colorado)

BARFIELD, NORMAN, Associate Professor of Communication (1998), B.A., M.A., Ph.D. (Howard University)

BARNES, THOMAS, Courtesy Assistant Professor of Family Medicine (2008), M.D.

BARTON, BRIAN, Instructor of Italian (2006), B.A., M.A. (University of Notre Dame)

BARTRETT, AMY, Externship Coordinator and Instructor of Communication Sciences and Disorders (2005), B.S., M.A. (University of Central Florida)

BARRY, BRUCE, Associate Professor of Management (1996), B.S., M.B.A., Ph.D. (University of Missouri-Columbia)

BARTKEVICIUS, JOCelyn, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa)


BASSIONI, MOSTAFa, Professor School of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University)

BAST, CAROL M., Associate Professor of Legal Studies (1992), B.A., M.A., J.D. (New York Law School)

BAUER, SANTOSH, Assistant Professor of Engineering (2007), Ph.D. (University of Connecticut)

BATARSEH, ISSA E., Director and Professor School of Electrical Engineering and Computer Science (1991), B.S., M.S., Ph.D. (University of Illinois at Chicago), P.E. (Florida)

BATES, TODD, Visiting Instructor of Philosophy (2005), B.A., B.A., Ph.D. (University of Pennsylvania)

BATZNER, JAY, Assistant Professor of Music (2006), B.M., M.M., D.M.A. (University of Missouri-Kansas City)

BEATON, CYNTHIA A., Research Assistant, Professor (1996), B.S., Ph.D. (Syracuse University)

BEARDSLEY, DAVID, Courtesy Instructor of Psychiatry (2008), M.S.W./M.B.A.

BECKER, DEBORAH, Associate Faculty of Education (2001), B.A., M.S.Ed., Ed.D. (University of Central Florida)

BECKER, LYNN, Instructor of Management (1996), B.S., M.B.A. (University of Central Florida)
BUNN, SUZAN, Internship Coordinator/Instructor (2006), B.A., M.S. M (University of Central Florida)
BURRIS, JOHN, Visiting Instructor of Humanities (2005), B.A., M.A., Ph.D. (University of California, Santa Barbara)
BURROUGHS, DANIEL, Research Professor of Engineering Technology (2002), B.S. (Dartmouth College)
BUSBY, ANGELINE A., Bert Fish Eminent Chair and Professor, College of Nursing (1996), R.N., F.A.A.N., M.N., Ph.D. (University of Texas at Austin)
BUTLER, JOHN R., of Denver) Sociology (2003), B.S., M.S., Ph.D. (University of Central Florida), P.E. (Florida, Cornell, New York)
CALABRESE, MARK, Associate Professor of History (2008), B.S. (University of Florida)
CALABRESE, MARK, Instructor of Engineering and Executive Officer (2004), B.S.E., M.S.E. (University of Central Florida), P.E. (Florida, Colorado)
CALASO, MICHAEL, Associate Professor of English (1998), B.A., M.A., Ph.D. (University of Notre Dame)
CALCAGNO, ANDREW, Graduate Coordinator and Associate Professor of Chemistry (2003), B.S., M.S., Ph.D. (University of Florida)
CAMPBELL, JAMES, Associate Professor of Physics (2003), Ph.D. (University of Arizona)
CANAN, PENELONE, Professor of Sociology (2006), A.B., M.A., Ph.D. (University of Denver)
CANNON, JOHN R., Professor of Mathematics (1993), B.A., M.A., Ph.D. (Rice University)
CANNON-BOWERS, JANICE, Associate Professor of Digital Media (2003), B.A., M.A., Ph.D. (University of South Florida)
CAPURSI, MARIA G., Lecturer of Mathematics (2007), Ph.D. (University of Delaware, Newark, Delaware)
CARNILE, THOMAS, Research Associate, FIEA (2005), B.S., M.S. (University of Utah)
CARDULLO, VICKY, Instructor of Education (2006)
CARSON, CECYLE, Associate Professor of Communication Sciences and Disorders (2004), B.S., M.S., Ph.D. (Wichita State University)
CARTA, ROBERTO, Assistant Professor of Statistics (2005), B.S., M.S., Ph.D. (Carnegie Mellon University)
CARTER, J. SCOTT, Assistant Professor of Sociology (2007), B.A., M.S., Ph.D. (University of South Carolina)
CARTER, SHANNON, Visiting Assistant Professor Of Sociology (2007), B.A., M.A., Ph.D. (University of Florida)
CASE, LYN, Head, Cataloging Service and Assistant Librarian (2000), B.A., M.L.I.S. (University of South Florida)
CASH, MASON, Assistant Professor of Philosophy (2003), B.S., Dip.Hum, M. Phil, Ph.D (University of Alberta)
CASIMIR-PAZ, LYNN A., Associate Professor of English (1997), B.A., M.A., Ph.D. (University of Pittsburgh)
CASSANELLO, ROBERT V., Assistant Professor of History (2007), B.A., M.A. (Florida State University)
CASSINI, JEFFREY E., Professor of Psychology (2007), M.A., Ph.D. (University of Florida)
CATAS, NECATI, Assistant Professor of Engineering (2003), B.S.C.E., M.S., Ph.D. (University of Cincinnati)
CATIO, FARIDA M., Associate Professor of Chemistry (2003), B.S., M.S. (Nova Southeastern University)
CATTAN, HUMBERTO, Professor of Physics (2003), Ph.D. (University of Arizona)
CAYAN, PENELONE, Professor of Sociology (2006), A.B., M.A., Ph.D. (University of Denver)
CHARLESTON, JAMES, Professor of Mathematics (1993), B.A., M.A., Ph.D. (Rice University)
CHENNAPONG, JANICE, Associate Professor of Nursing (2002), B.S., M.S., Ph.D (The Pennsylvania State University)
CHEN, QUANFANG, Associate Professor of Molecular Biology and Microbiology (2006), B.A., M.S., Ph.D. (The University of California, Berkeley)
CHEN, RUEY-HUNG, Assistant Professor of Electrical Engineering (2003), B.A., M.A., Ph.D. (University of Pennsylvania)
CHEN, SUDIPTO, Associate Professor of Structural Engineering (2003), B.A., M.A., Ph.D. (University of Pennsylvania)
CHENG, JACK, Associate Professor of Photonics (2003), Ph.D. (University of California, Santa Barbara)
CHIANG, NI-BIN, Professor of Engineering (2005), B.S.C.E., M.S.E., Ph.D. (Cornell University, P.E. (Texas)
CHASE, ARLEN F., Chair, University Pegasus Professor, and Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)
CHASE, DIANE V., Vice Provost, Academic Affairs, University Pegasus Professor and Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)
CHATTERJEE, MAINAK, Assistant Professor School of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D (University of Texas at Arlington)
CHATTERTON, JAGDISH J., Professor of Psychology (1972), B.A., M.A., M.F.A. (Michigan State University)
CHEN, PO-JU, Instructor of Biology and Microbiology; Secondary Joint, Molecular Biology and Microbiology (2008), B.S., M.S., Ph.D (The Pennsylvania State University)
CHEN, QUANFANG, Associate Professor of NanoScience Technology (2001), Ph.D. (Tsinghua University)
CHENG, HUIDING, Professor of Biology (1993), B.S., M.S., Ph.D. (University of Michigan)
CHEN, XIAOLONG, Associate Professor of Computer Science (2002), B.S., M.S., Ph.D. (University of California, Santa Barbara)
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WANIELISTA, MARTIN P., Professor Emeritus of Engineering (1970), B.S.C.E., M.S., Ph.D. (Cornell University), P.E. (Florida)

WHITE, ROSEANN S., Associate Director of Burnett School of Biomedical Sciences, Professor Emeritus of Molecular Biology and Microbiology (1969), Ph.D. (University of Texas S.W. Medical School)


WRIGHT, BURTON, Professor Emeritus of Sociology (1970), B.S., M.S., Ph.D. (Florida State University)

WYCOFF, EDGAR B., Associate Professor Emeritus of Medical Education (1981), B.S.I.E., M.S.I.E., Ph.D. (Florida State University)

ACVEHDO, MIGUEL, Associate Professor Emeritus of Emergency Medicine (2008), M.D.

ADEWALE, ADEMOLA, Courtesy Assistant Professor of Emergency Medicine (2008), M.D.

AHMAR, WASIM, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

ALBRIGHT, JAY, Courtesy Assistant Professor of Orthopaedic Medicine (2008), M.D.

ALDARONDO, SIGREDO, Associate Professor of Internal Medicine (2007), M.D.

ALEXANDER, A. MELVIN, Courtesy Assistant Professor of Orthopaedic Medicine (2008), M.D.

ALI, KAISER, Courtesy Assistant Professor of Dermatology (2008), Ph.D.

LI, MAHMOOD, Courtesy Assistant Professor of Medicine/Department of Medical Education (2007), M.D.

ALLENDE, RAFAEL, Courtesy Assistant Professor of Neurosurgery (2008), M.D.

ALLISON, LORI, Courtesy Instructor of Medical Education (2008), Ph.D.

ALMEYDA-GOMEZ, JUAN, Courtesy Assistant Professor of Pediatrics (2008), M.D.

ALMOND, JIMMY, Courtesy Assistant Professor of Family Medicine (2008), M.D.

ALVAREDO, FERNANDO, Courtesy Associate Professor of Internal Medicine (2008), M.D.

ALVAREZ, JOSE, Courtesy Assistant Professor of Anesthesiology (2008), M.D.

AMGOTT, THEODORE, Courtesy Assistant Professor of Internal Medicine (2008), Ph.D.

AMIRKHOSRAVI, ALI, Courtesy Assistant Professor of Emergency Medicine (2007), P.S.P., M.S., Ph.D. (University of Central Florida)

ANDERSON, KYLE, Assistant Professor of Internal Medicine (2007), M.D.
## Courtesy Appointments

<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Department</th>
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<tr>
<td>ANDERSON, MICHAEL</td>
<td>Courtesy Assistant Professor of Internal Medicine (2008), M.D.</td>
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<td>ANGELIS, MICHAEL</td>
<td>Associate Professor of Surgery - Med. Ed. (2007), M.D.</td>
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<td>ARLEN, PHILIP A.</td>
<td>Courtesy Assistant Professor (2008), Ph.D.</td>
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<td>ARSENE, ANDREEA</td>
<td>Courtesy Assistant Professor of Internal Medicine (2008), M.D.</td>
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<td>AUSTIN, MITCHELL BYRNE</td>
<td>Courtesy Associate Professor of Otolaryngology (2009), M.D.</td>
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<td>AWE, JAIME J.</td>
<td>Courtesy Professor of Anthropology (2007), Ph.D. (University of London)</td>
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<td>BAIASDA, SAID</td>
<td>Courtesy Assistant Professor of Internal Medicine (2008), M.D.</td>
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<td>Courtesy Professor of Surgery - Med. Ed. (2007), M.D.</td>
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<td>BALAJI, GOBIVENKATA</td>
<td>Courtesy Assistant Professor of Internal Medicine (2008), M.D.</td>
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<td>BALLANTYNE, JOHN</td>
<td>Associate Professor of Chemistry/Forensic Science (1998), Ph.D. (State University of New York at Stony Brook)</td>
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<td>BANCROFT, LAURA</td>
<td>Courtesy Professor of Radiology (2008), M.D.</td>
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<td>Courtesy Assistant Professor of Obstetrics &amp; Gynecology (2008), M.D.</td>
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<td>Courtesy Assistant Professor of Internal Medicine (2008), M.D.</td>
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<td>Courtesy Assistant Professor of Orthopaedic Medicine (2008), M.D.</td>
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<td>BARNES, ELENA</td>
<td>Assistant Professor of Internal Medicine (2007), M.D.</td>
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<td>BAROUDI, ISSA</td>
<td>Courtesy Assistant Professor of Plastic Surgery (2003), M.D., F.A.C.S.</td>
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<td>BAYLOR, JEFFREY</td>
<td>Courtesy Assistant Professor of Otolaryngology (2008), M.D.</td>
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<td>BEACH, KEVIN</td>
<td>Assistant Research Professor of Surgery (2001), B.S., Ph.D. (University of Hawaii at Manoa)</td>
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<td>BECKER, MARK</td>
<td>Assistant Professor of Orthopaedic Surgery (2007), M.D.</td>
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<td>BOBUSTUC, GEORGE</td>
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<td>BONDAR, MYKHAIOLO</td>
<td>Visiting Assistant Professor of Chemistry (B.S., M.S., Ph.D. (Institute of Physics, Kiev, Ukraine))</td>
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<td>BORRO, JOSE</td>
<td>Courtesy Assistant Professor of Surgery (2009), M.D.</td>
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<td>BRUNELL, MARY LOU</td>
<td>Instructor, College of Nursing (1980), M.S.N. (University of Pennsylvania)</td>
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<td>BURGESS, ANDREW</td>
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<td>CLEMSON, FRANCISCO</td>
<td>Courtesy Assistant Professor of Pediatrics - Med. Ed. (2007), M.D.</td>
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<td>CAMDESSANCHE, JEAN-PHILIPPE</td>
<td>Courtesy Visiting Scientist-Biomedical Science Center (1997), M.S., M.D. (University of Louisville, Lyon, France)</td>
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<td>CALESTANI, CRISTINA</td>
<td>Secondary Joint Assistant Professor of Biomedical Science Center (2003), Ph.D. (University of Parma, Italy)</td>
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<td>CALIMANO, FRANCISCO</td>
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<td>CARR, BRANDON</td>
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<td>CARTER, TIMOTHY</td>
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<td>CASSIDY, DAVID</td>
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<td>CHACKO, CHOWALLUR</td>
<td>Courtesy Assistant Professor of Psychiatry, College of Medicine, Department of Medical Education (2007), M.D.</td>
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<td>Assistant Professor of Family Medicine (2007), M.D.</td>
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<td>CHAI, KARL</td>
<td>Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (Medical University of South Carolina)</td>
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<td>CHAKRABARTI, DEBOPAM</td>
<td>Associate Professor of Molecular Biology and Microbiology (1990), Ph.D. (University of California, Berkeley)</td>
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<td>Assistant Research Professor of Biology (2002), (Tufts University)</td>
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<td>Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership (2007), J.D. (Stetson University)</td>
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<td>COFFEE, KEVIN</td>
<td>Secondary Joint Associate Professor of Electrical and Computer Engineering (2005), B.A., B.S., M.S., PhD (Massachusetts Institute of Technology)</td>
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<td><strong>GARIBAY, IVAN</strong></td>
<td>Secondary Joint Instructor School of Electrical Engineering and Computer Science</td>
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<td>Courtesy Assistant Professor of Anesthesiology</td>
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<td><strong>GO, EUGENE</strong></td>
<td>Courtesy Assistant Professor of Medicine - Med. Ed.</td>
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<td><strong>GOVENKATA, BALAJI</strong></td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
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<td><strong>GOLDBERG, STEVEN</strong></td>
<td>Courtesy Associate Professor of Psychology, Chief, Orlando Field Unit, US Army Research Institute</td>
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<td><strong>GOLDEN, NaniemE</strong></td>
<td>Assistant Professor of Radiation Oncology</td>
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<td><strong>GOLDIEZ, BRIAN</strong></td>
<td>Secondary Joint Assistant Professor</td>
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<td><strong>GOODMAN, GARY</strong></td>
<td>Courtesy Assistant Professor of Emergency Medicine</td>
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<td><strong>GOODMAN, IRA</strong></td>
<td>Associate Professor of Pediatrics</td>
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<tr>
<td><strong>GOODWIN, KENNETH</strong></td>
<td>Courtesy Assistant Director, Career Services and Experiential Learning</td>
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<td><strong>GORDIN, PATRICIA</strong></td>
<td>Courtesy Adjunct - Educational Research, Technology &amp; Leadership</td>
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<td><strong>GORDON, ALAN</strong></td>
<td>Courtesy Assistant Professor of Obstetrics and Gynecology</td>
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<td><strong>GREENBERG, HAROLD</strong></td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
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<td><strong>GREENSPoon, JEFFREY</strong></td>
<td>Courtesy Assistant Professor of Orthopaedic Surgery</td>
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<tr>
<td><strong>GRIFFIS, SUSAN E.</strong></td>
<td>Clinical Faculty, College of Nursing</td>
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<tr>
<td><strong>GUARDA, LUIS A.</strong></td>
<td>Courtesy Professor, Medical Laboratory Sciences, Courtesy Associate Professor of Pathology</td>
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<td><strong>GUNTER, GLENDa</strong></td>
<td>Associate Professor of Education and Secondary Joint Associate Professor of Digital Media</td>
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<td><strong>GURRI, JOSEPH</strong></td>
<td>Courtesy Assistant Professor of Surgery</td>
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<td><strong>GUSSO, RICHARD</strong></td>
<td>Courtesy Assistant Professor of Medicine</td>
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<td><strong>GUTHRIE, GEORGE</strong></td>
<td>Courtesy Assistant Professor of Family Medicine</td>
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<td><strong>GUTIERREZ, MICHAEL</strong></td>
<td>Courtesy Assistant Professor of Dermatology</td>
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<td><strong>HAAS, BRIAN</strong></td>
<td>Associate Professor of Ophthalmology</td>
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<tr>
<td><strong>HADDADIN, MUNThER</strong></td>
<td>Courtesy Professor of Civil, Environmental, and Construction Engineering</td>
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<tr>
<td><strong>HAFEZEE, SAJJAD</strong></td>
<td>Courtesy Assistant Professor of Psychiatry</td>
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<td><strong>HAGLOCH, JAY</strong></td>
<td>Courtesy Assistant Professor of Family Medicine</td>
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<td><strong>HAIM, Y. DANIEL</strong></td>
<td>Courtesy Assistant Professor of Medicine</td>
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<td><strong>HAJJAR, FOuAD</strong></td>
<td>Courtesy Assistant Professor of Pediatrics</td>
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<td><strong>HALL, THOMAS</strong></td>
<td>Courtesy Instructor of Psychiatry</td>
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<td><strong>HAMEER, HUSSEIN</strong></td>
<td>Courtesy Assistant Professor of Pathology</td>
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<td><strong>HAN, WADE</strong></td>
<td>Courtesy Assistant Professor of Otolaryngology</td>
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<td><strong>HARRIS, BARBARA</strong></td>
<td>Courtesy Assistant Professor of Obstetrics</td>
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<td><strong>HART, MARY</strong></td>
<td>Courtesy Assistant Professor of Nuclear Medicine</td>
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<td><strong>HAVKIN, BORIS</strong></td>
<td>Courtesy Assistant Professor of Urology</td>
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<td><strong>HAYDAD, MARCUS</strong></td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
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<td><strong>HEINONEN, OLLE</strong></td>
<td>Associate Professor of Physics</td>
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<td><strong>HENDERSON, MOYA</strong></td>
<td>Courtesy Visiting Artist</td>
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<td><strong>HENSEL, KURT</strong></td>
<td>Courtesy Assistant Professor of Orthopaedic</td>
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<td><strong>HERBST, LAWRENCE</strong></td>
<td>Assistant Research Professor of Biology</td>
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<td><strong>HERNANDEZ, ANTONIO</strong></td>
<td>Courtesy Associate Professor of Pathology</td>
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<tr>
<td><strong>HERNANDEZ, FLORENCIO E.</strong></td>
<td>Secondary Joint Assistant Professor of Optics &amp; Photonics</td>
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<td><strong>HERNANDEZ, MANUEL</strong></td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
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<td><strong>HERRERA-SOTO, JOSE</strong></td>
<td>Courtesy Assistant Professor of Orthopaedic</td>
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<td><strong>HICKEY, MICHAEL H.</strong></td>
<td>Associate Professor of Physics</td>
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<td><strong>HICKMAN, JAMES</strong></td>
<td>Joint Professor School of Electrical Engineering and Computer Science</td>
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<td><strong>HIDGEE, RUSSELL</strong></td>
<td>Courtesy Professor of Molecular Biology and Microbiology</td>
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<td>Courtesy Associate Professor of Obstetrics and Gynecology</td>
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<td>Courtesy Professor of Obstetrics and Gynecology</td>
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<td><strong>HOLTENBECK, DANIell</strong></td>
<td>Associate Faculty, School of Communication</td>
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<td><strong>HODD, MARGARET</strong></td>
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<td><strong>HSU, VINCENT</strong></td>
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<td><strong>HUANG, XU</strong></td>
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<td><strong>IRWIN, RICHARD B.</strong></td>
<td>Research Professor of Materials Science</td>
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<td><strong>ISENMAN, MARTIN</strong></td>
<td>Assistant Professor of Internal Medicine</td>
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<td><strong>JACOBS, DANIEL H.</strong></td>
<td>Courtesy Associate Professor of Neurology</td>
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**Courtesy Appointments**

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<td>LOY, RANDALL</td>
<td>Courtesy Associate Professor of Obstetrics and Gynecology</td>
<td>(2008), M.D.</td>
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<td>LUBE, MATTHEW</td>
<td>Courtesy Professor of Surgery</td>
<td>(2008), M.D.</td>
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<td>LYNCH, JOYCE</td>
<td>Courtesy Assistant Professor of Otolaryngology</td>
<td>(2008), M.D.</td>
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<td>MA, MUCHOU</td>
<td>Courtesy Assistant Professor of Pathology</td>
<td>(2003), M.D., Ph.D.</td>
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<td>MACKSOUD, WAHID</td>
<td>Courtesy Assistant Professor of Orthopaedic Surgery</td>
<td>(2008), M.D.</td>
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<td>MADRUGA, MARIO</td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
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<td>MALIK, KHIZAR</td>
<td>Assistant Professor of Neurology</td>
<td>(2007), M.D.</td>
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<td>MANON, RAFAEL</td>
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<td>(2008), M.D.</td>
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<td>MANOUCHERI, MANOUCHER</td>
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<td>(2008), M.D.</td>
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<td>MARATHE, SHIRAM</td>
<td>Courtesy Assistant Professor - Public Affairs</td>
<td>(2007)</td>
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<td>MARTIN, JULIA</td>
<td>Courtesy Associate Professor of Pathology</td>
<td>(2007), M.D.</td>
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<tr>
<td>MARTIN, LAWRENCE</td>
<td>Professor, Public Administration and Public Affairs, Joint Appointment</td>
<td>(2004), Ph.D. (Arizona State University)</td>
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<tr>
<td>MARTINEZ, RAMON</td>
<td>Assistant Professor of Psychiatry</td>
<td>(2007), M.D.</td>
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<td>MARTINEZ, SANTIAGO</td>
<td>Courtesy Assistant Professor of Pediatrics, College of Medicine</td>
<td>(2007), M.D.</td>
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<td>MARZANO, PETER</td>
<td>Assistant Professor of Internal Medicine</td>
<td>(2007), M.D.</td>
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<td>MASCOE, MAURICE</td>
<td>Courtesy Assistant Professor of Emergency</td>
<td>(2008), M.D., FACEP</td>
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<td>MASOOD, AHMED</td>
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<tr>
<td>December 1988</td>
<td>Roald Hoffman, Doctor of Science</td>
<td>Charles N. Millican, Doctor of Laws</td>
<td>May 2009</td>
<td>Howard Lance, Doctor of Science</td>
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</table>
A.E.: associated in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.E. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term's Web Enrollment Guide for details.

AEP: Academic Exploration Program to assist undecided students.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): Computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration

CECS: College of Engineering and Computer Science

Certificate: special program of study supplemental to a major.

CI: consent of instructor.

Class Schedule Search: a component of the online myUCF system (https://my.ucf.edu) that lists courses and class sections offered each academic term.

CLAST: College Level Academic Skills Test: the CLAST is a required statewide test which measures selected communication and mathematics skills.

CLAST Alternative: refers to another way of satisfying one or more subtests of the CLAST requirement other than taking the exam - through combination test scores (SAT or ACT) and specific course grades.

COE: College of Education.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are ten colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Education (COE), Engineering and Computer Science (CECS), Health and Public Affairs (COHPA), Medicine (COM), Nursing (CON), Optics and Photonics (COP), The Burnett Honors College (TBHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

CON: College of Nursing.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: A computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office.

Double Major: A student may choose to declare a second major. Only one additional major is allowed in addition to the student's primary major.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s 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.

E-mail: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Enrollment Certification: an official University document that provides a student’s enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who have completed fewer than 12 semester hours and currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the Fall and Spring and Summer terms.

FYAE: First Year Advising and Exploration.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.
Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of "C" (1.75) or better.

GPA: "Grade Point Average": the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.

Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: A charge associated with some courses to cover items consumed within the class.

Minor: a complement to a bachelor’s degree program major requiring at least 18 credit hours in a field.

myUCF: the UCF student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, PID (Personal Identification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a KnightsMail e-mail, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the "Degree Audit," obtain the registration appointment day and time for each term, print a "Fee Invoice," pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to WebCT, Pegasus e-mail and the UCF computer labs.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal IDentification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GOP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student’s status upon acceptance into the program.)

PID: (Personal IDentification Number): personal eight-digit code required when entering myUCF, or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: there may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054).

Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All eleven Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

TBHC: The Burnett Honors College

Third Attempt Charge: See “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: Time Shortened Degree or Accelerated Education Opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Heathrow, UCF Leesburg, UCF Ocala, UCF Osceola, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

Web Enrollment Guide: online at http://registrar.ucf.edu/weg/. Provides the “Academic Calendar”, guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. Each term’s class listings are available only online through myUCF Class Schedule Search at https://my.ucf.edu.

Withdrawal, Withdraw from a Course: to formally request an official withdrawal from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office.
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