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The UCF Creed

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

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

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

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

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

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

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

UCF Stands For Opportunity
Dear UCF Students and Prospective Students:

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

As you pursue your studies, please remember that a college education is not totally academic. It extends beyond the classroom, laboratory, or studio to campus clubs and organizations, concerts, plays, speeches, and athletic events. I hope that you will become involved in UCF campus life and that you will also make some commitment to serving your community. Besides being a force for campus and community improvement, the effort can be educationally rich and personally fulfilling.

Finally, I hope that you will take pride in your university. Like the Pegasus, our symbol, UCF is on the ascent. In over forty years of service, we have risen from promise to prominence: our students excel in national competitions and organizations; members of our faculty are known internationally for their research and teaching; a number of our men’s and women’s athletic teams are conference champions; and our football team competes in Division I-A. We have much to be proud of.

You have my best wishes for success and my assurance that UCF faculty and staff are committed to helping you complete your degree so that you can join a proud group of over 135,000 alumni.

Cordially yours,

John C. Hitt
President
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Director, Human Resources ................................................................. Mark A. Roberts
Director, Physical Plant ......................................................................... Richard D. Paradise
Director, Planning .................................................................................. Raymond Winfield
Director, University Police .................................................................... Richard P. Turkiewicz
University Controller ............................................................................ Linda B. Bonta

Office of the Vice President for University Relations

Vice President for University Relations and Senior Counsel to the President ............................................ Daniel C. Holenskeck
Director, Defense Transition Services ..................................................... Aszo J. Redick
Director, Economic Develop Rent ......................................................... Edward Schone
Director, Federal Relations ..................................................................... Gregory Schuckman

Colleges, Schools, and Departments

Burnett College of Biomedical Sciences

Dean ........................................................................................................... P.E. Kolattukudy
Associate Dean ....................................................................................... Roseann White
Assistant Dean .......................................................................................... Robert Gennaro
Program Director, Medical Laboratory Sciences ...................................... Dorylin Hitchcock

Burnett Honors College

Dean ............................................................................................................. Alvin Wang
Associate Dean .......................................................................................... TBD
Director of Undergraduate Research and Civic Engagement ...................... Kelly Astro
Director of Student Services ...................................................................... Madi Dorausu
Director of Computer Operations .......................................................... Andrew Holloway
Director of Student Affairs ...................................................................... Jill Norburn
Director of Administrative Services ....................................................... Donna Plaisted
Director of Student Development .......................................................... Lisa Sklar
Director of Advising .................................................................................. Peter Wallace

College of Arts and Humanities

Dean ............................................................................................................. Joseph Fernandez
Associate Dean, Students ......................................................................... Lyman Brodie
Assistant Dean, Graduate and Undergraduate Programs ........................... Consuelo Stellins
Interim Director, School of Film and Digital Media .................................... Terry Frederick
Chair, Art .................................................................................................... Mark Price
Chair, English ............................................................................................. Thomas Keane
Chair, History ............................................................................................ Edward Kallina
Chair, Modern Languages and Literatures ................................................ Paolo Giordano
Chair, Music ............................................................................................... Steven Dimick
Chair, Philosophy ....................................................................................... Shaun Gallagher
Chair, Theatre ............................................................................................. Robert Sloan

College of Business Administration

Dean ............................................................................................................. Thomas L. Keon
Associate Dean .......................................................................................... Bradley M. Braun
Associate Dean, Graduate and External Programs ..................................... Robin Roberts
Associate Dean, Undergraduate Programs ................................................. Taylor Ellis
Center for Executive Development ......................................................... Kay Mitchell
Director, School of Accounting ............................................................... Andrew J. Judd
Director, Undergraduate Programs .......................................................... Jack McLeish
Chair, Anthropology .................................................................................. Arlen Chase
Chair, Chemistry ......................................................................................... David Borst
Chair, Chemistry, Informatics and Biochemistry ..................................... Kevin Belfield
Director, Communication ......................................................................... Mary Alice Shaver
Chair, Environmental Management .......................................................... Zuhair Noshir
Chair, Physics ............................................................................................. Ralph Llewellyn
Chair, Political Science ............................................................................... Roger Handberg
Chair, Psychology ......................................................................................... Harold Corzine
Chair, Sociology .......................................................................................... David Nickerson

College of Engineering and Computer Science

Dean ............................................................................................................. Neal Gallagher
Associate Dean for Academic Affairs ....................................................... Jamal F. Nayfeh
Interim Associate Dean for Research ....................................................... Debra Reinhart
Assistant Dean for Distributed Learning .................................................... Sam Rice
Director, School of Electrical Engineering & Computer Science ............ Isaa Batarseh
Director of Development ........................................................................ Wayne Weinberg
Assistant Director of Major Gifts ............................................................... TBA
Director of External Relations ................................................................. Christian S. Bauer
Director, Academic Support Services ....................................................... Melissa Falls
Director, Minority Engineering and Computer Science Program ............. Jacqueline Smith
Interim Chair, Civil and Environmental Engineering ................................ Avelino Gonzalez
Chair, Construction Engineering .............................................................. Ronald Englin
Chair, Industrial Engineering and Management Systems ......................... Lesla Crompton-Young
Chair, Inst, Materials and Aerospace Engineering .................................... Ranganathan Kumar
Chair, Aerospace Studies (Air Force ROTC) ........................................... Col. William Palmy
Chair, Military Service (Army ROTC) ........................................................ LTC Allison Renner

College of Health and Public Affairs

Interim Dean ............................................................................................. Joyce E. Dorner
Interim Associate Dean, Resource Planning and Management ...................... Stephen Holmes
Associate Dean, Research and Graduate Studies ...................................... Kenneth Adams
Assistant Dean, Undergraduate Studies ...................................................... Pamela E. Kirby
Assistant Dean, Student Affairs ............................................................... Melvin Rogers
Chair, Communicative Disorders ............................................................. R.J. Lieberman
Chair, Criminal Justice and Legal Studies ................................................. James B. Hahn
Chair, Health Professions ......................................................................... Diane Jacobs
Director, School of Nursing ....................................................................... Jean Leuner
Chair, Public Administration ..................................................................... Montgomery Van Wart
Chair, School of Social Work .................................................................... Mary Van Hook
Chair, Student Support ............................................................................ Judith A. Sindlinger

College of Optics and Photonics

Dean and Director ..................................................................................... Eric Van Styland

Rosen College of Hospitality Management

Dean ............................................................................................................. Abraham Pizam
Associate Dean .......................................................................................... Stephen LeBruto

College of Sciences

Interim Dean ............................................................................................. Peter Panousis
Associate Dean, Research and Graduate Programs .................................... Michael Johnson
Associate Dean, Budget ............................................................................. Jack McGuire
Associate Dean, Undergraduate Programs ................................................. Haven Sweet
Chair, Anthropology .................................................................................. Arlen Chase
Chair, Chemistry ......................................................................................... David Borst
Chair, Chemistry, Informatics and Biochemistry ..................................... Kevin Belfield
Director, Communication ......................................................................... Mary Alice Shaver
Chair, Environmental Management .......................................................... Zuhair Noshir
Chair, Political Science ............................................................................... Roger Handberg
Chair, Psychology ......................................................................................... Harold Corzine
Chair, Sociology .......................................................................................... David Nickerson
## 2006 - 2007 FALL / SPRING ACADEMIC CALENDARS

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2006</th>
<th>Spring 2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application deadline for Graduate International students</td>
<td>Jan. 15</td>
<td>July 1, 2006</td>
</tr>
<tr>
<td>Application deadline for Undergraduate International students</td>
<td>March 1</td>
<td>Sept. 1, 2006</td>
</tr>
<tr>
<td>Application deadline for all New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>Nov. 1, 2006</td>
</tr>
<tr>
<td>Application deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>Nov. 1, 2006</td>
</tr>
<tr>
<td>Application deadlines for readmission</td>
<td>July 15</td>
<td>Nov. 15, 2006</td>
</tr>
<tr>
<td>Graduation Application (Intent to Graduate form)</td>
<td>Aug. 4</td>
<td>Dec. 2, 2006</td>
</tr>
<tr>
<td>Registration and Add/Drop</td>
<td>Mar. 27 - Aug. 4</td>
<td>Mar. 27 - Jan 27, 2007</td>
</tr>
<tr>
<td>Residence halls open</td>
<td>Aug. 17 (11:00 a.m.)</td>
<td>Jan. 5 (1:00 p.m.)</td>
</tr>
<tr>
<td>Registration time for State Employees, Non-degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>Aug. 18</td>
<td>Jan. 5</td>
</tr>
<tr>
<td>Registration for UCF Employees, Senior Citizen Audits, and STEP (begins 3:30 p.m.)</td>
<td>Aug. 18</td>
<td>Jan. 5</td>
</tr>
<tr>
<td>Classes begin</td>
<td>Aug. 18</td>
<td>Jan. 5</td>
</tr>
<tr>
<td>Late Registration(^2) and Add/Drop(^1)</td>
<td>Aug. 21-25</td>
<td>Jan. 8-12</td>
</tr>
<tr>
<td>Last day for full refund(^1)</td>
<td>Aug. 25</td>
<td>Jan. 12</td>
</tr>
<tr>
<td>Grade Forgiveness deadline(^1)</td>
<td>Aug. 25</td>
<td>Jan. 12</td>
</tr>
<tr>
<td>Payment deadline(^2)</td>
<td>Sep. 1</td>
<td>Jan. 19</td>
</tr>
<tr>
<td>CLAST test (register by September 2/Jan. 20)</td>
<td>Oct. 7</td>
<td>Feb. 17</td>
</tr>
<tr>
<td>Withdrawal deadline(^1)</td>
<td>Oct. 13</td>
<td>Mar. 2</td>
</tr>
<tr>
<td>VA deferral payment deadline(^1)</td>
<td>Nov. 17</td>
<td>Apr. 6</td>
</tr>
<tr>
<td>Classes end; last day to remove incomplete(^3)</td>
<td>Dec. 2</td>
<td>Apr. 23</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Dec. 4-9</td>
<td>Apr. 24 - May 30</td>
</tr>
<tr>
<td>Residence halls close (noon)</td>
<td>Dec. 10</td>
<td>May 1</td>
</tr>
<tr>
<td>Commencement</td>
<td>Dec. 11-12</td>
<td>May 3-5</td>
</tr>
<tr>
<td>Grades Due in Registrar's Office</td>
<td>Dec. 13</td>
<td>May 3</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>Dec. 15</td>
<td>May 5</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the Schedule Web Guide and online Academic Calendar (www.ucf.edu/info) for information.

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

\(^1\) Ends at 5:00 p.m. on last day.

\(^2\) $100 Late Registration Fee applies to students who enroll following the close of Add/Drop or who enroll for the first time that term during Late Registration and Add/Drop.

\(^3\) $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.

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

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>Sep. 4, 2006</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>Oct. 30 - Nov. 4, 2006</td>
</tr>
<tr>
<td>Veteran's Day Holiday</td>
<td>Nov. 11, 2006</td>
</tr>
<tr>
<td>Thanksgiving Holiday</td>
<td>Nov. 22, 2005</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>November 23-25, 2007</td>
</tr>
<tr>
<td>Spring Break - Holiday</td>
<td>March 12-17, 2007</td>
</tr>
<tr>
<td>Founders Day Honors Convocation (classes still held)</td>
<td>April 4, 2007</td>
</tr>
</tbody>
</table>
# Summer 2007 Academic Calendar

## Summer 2007

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

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

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

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

## University Holidays and Special Events

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

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

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

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

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

1EEO. Policies and guidelines are available online at http://pega-sus.cc.ucf.edu/~eoo/home.html

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

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

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

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

Student organizations may develop more stringent regulations regarding alcohol use.

Locations
The sale of alcoholic beverages to individuals of legal age will be permitted in licensed areas by licensed on-campus distributors.
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 resident rooms in the residence halls and other on-campus or affiliated housing unless otherwise prohibited by the governing organization. Consumption of alcoholic beverages in public or common areas within on-campus residential units shall follow guidelines provided by their governing organization, and local, state and federal law.

Approval Procedures: Student Groups

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

The following information must be supplied by the student organization and approved by the appropriate university officials, no less than 15 calendar days prior to the event(s). These arrangements include but are not limited to: sponsoring organization and nature of event; date, beginning and ending times, and location of event; number in attendance and method of registering guests; method of designation for those of age/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 served through the concession and their license. Groups or organizations who seek to sell beer or wine along with a non-alcoholic choice at other locations on campus must obtain approval to secure a beer or wine license from the Director of Business Services prior to making application for the license. With approval the license is then to be obtained by the organization from the Alcoholic Beverages and Tobacco Division of the Department of Business Regulations of the State of Florida. Off-campus groups or organizations who seek to sell alcoholic beverages in a location and situation which does not require a license must obtain prior approval to serve alcohol on campus from the Director of Business Services.


Academic Behavior Standards

The University of Central Florida is committed to a policy of honesty in academic affairs. Examples of conduct for which students may be subject to academic and/or disciplinary penalties including expulsion are:

- Cheating, whereby non-permissible written, visual, or oral assistance including that obtained from another student is utilized on examinations, course assignments, or projects. The unauthorized possession or use of examination or course related material may also constitute cheating.

- Plagiarism, whereby another's work is deliberately used or appropriated without any indication of the source, thereby attempting to convey the impression that such work is the student's own. Any student failing to properly credit ideas or materials taken from another has plagiarized.

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

- Commercial Use of Academic Material: Selling notes, handouts, etc. with the permission or without 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 grade of "F." Additionally, the instructor may request disciplinary action through the Office of Student Rights and Responsibilities as outlined in The Golden Rule.

Student Use of Technology

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

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

The University of Central Florida has developed one of the nation’s most advanced campus technology environments, and all UCF students are provided free e-mail accounts and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless networking card. Recommended configurations can be found on the University’s Web site at [http://www.cstore.ucf.edu/store/standards.html](http://www.cstore.ucf.edu/store/standards.html).

Policy for Undeclared Students

All students at the University of Central Florida are expected to officially declare a major prior to earning 45 college credit hours (this includes credits earned from CLEP, Dual Enrollment, AP and IB). An academic hold is placed on future university registration until a student major is declared. Students must meet with an academic advisor (within Student Development and Enrollment Services, the Colleges, or Regional campuses) to have the hold released.

Student Responsibility for University Communication

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

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

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

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

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

Students can update their contact information online at [https://my.ucf.edu](https://my.ucf.edu).

Complaint Policy

The University of Central Florida supports the right of students to file grievances, lodge complaints, and make appeals in a safe environment free of fear, retaliation, or other adverse consequence. The University has a number of offices and committees that are responsible for implementing the institution’s established procedures for addressing written academic and non-academic student complaints. In most cases, the recommended strategy for complaints of any nature is to ask the concerned individual to first contact the person or office most directly connected to the issue, unless there are compelling reasons not to do so. If the concerned individual does not want to contact a faculty or staff member directly, he or she begins with the next highest level of authority, which typically is the department chair or director. If the problem or complaint is unresolved or the individual is not satisfied with the resolution, he or she may file a written grievance or appeal. Specific procedures included in specific sections of this catalog and the Golden Rule.

Accreditation

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

The University of Central Florida is accredited by the Commission on...
UNIVERSITY OF CENTRAL FLORIDA

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

The University

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

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

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

Online@UCF, The Virtual Campus

http://online.ucf.edu/

The UCF Virtual Campus provides opportunities for students to enroll in credit courses and select degree and certificate programs delivered over the Internet. The instructional design of these courses maintains a high-quality learning environment for nontraditional and campus-based students. The course materials and methods were developed by UCF faculty to maximize the learner’s achievement of course and program objectives.

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

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

These types of courses will require access to the Internet, web-browsing knowledge, ability to use email, 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 instruction mode. For information about degree and certificate programs available online, visit http://online.ucf.edu, or write to online@ucf.edu.

Center for Distributed Learning

Assistant Vice-President and Director: Steven E. Sorg; sorg@mail.ucf.edu; 407-823-4910

UCF’s virtual campus is supported and facilitated by the Center for Distributed Learning. The Center’s mission is to provide support to students, faculty, and staff in the development and planning of distributed learning courses and programs. The Center serves as a clearinghouse for processes and resources, providing planning and marketing support for off-campus and distributed learning credit programs. The Center also coordinates the University’s standards and accreditation changes resulting from web-based instruction. For information about degree and certificate programs available online, visit http://online.ucf.edu, or write to online@ucf.edu.
UCF Regional Campuses

The University of Central Florida also offers an opportunity to complete a number of programs through UCF Regional Campuses. Strategically located within an 80-mile radius of the UCF Orlando campus, the multiple non-residential locations partner with six Florida community colleges, fostering seamless and convenient advancement from completion of an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Programs include 20 Bachelor’s programs, 19 minors, 11 master’s degrees, and 9 graduate certificates with each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disability services, veteran’s affairs, “smart classrooms,” libraries, computer labs, and more.

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

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

Administration

UCF Regional Campuses Central Administration
12201 Research Parkway, Suite 101
Orlando, 32862; 407-823-4547

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

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

Eastern Region
(UCF at Daytona Beach, UCF at Heathrow, UCF at Sanford/Lake Mary)
Asst. Vice President, Eastern Region ............ Bernard Jensen
Director, Eastern Region .................. David Laney
Asst. Director, Acad. Support Services ............. TBA
Coordinator, Admissions .................. Attendance Harris
Program Officer, Admissions, Reg. .......... Sheri Newble-Dunn
Coordinator, Financial Aid .................. Charlene Driver
Coordinator, Acad. Support Services ........... Leeanne Davis
Coordinator, Acad. Support Services ........... Darryl Greely
Coordinator, Acad. Support Services .......... Cindi Thomas
Coordinator, Acad. Support Services ........... Diana Weidman
Coordinator, Computer Technology ........ Jason Mayer

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

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

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

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

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

Graduate Degree Programs
Business Administration (P.M.B.A.)* College of Business Administration
Criminal Justice (M.S.) College of Health and Public Affairs
Education Leadership (M.Ed.) College of Education
Engineering FEEDS/ITV (M.S.) College of Engineering
Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs
Industrial Engineering and Management Systems (M.S.) College of Engineering and Computer Science
Public Administration (M.P.A.) College of Health and Public Affairs
Reading Education (M.Ed.) College of Education

*Administered in association with the Executive Development Center of the College of Business Administration.
University of Central Florida

Graduate Certificate Programs
ESOL Endorsement K-12
Public Administration
Reading Education
Teaching English as a Foreign Language

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

Undergraduate Degree Programs
Applied Science (Supervision & Administration Track) (B.A.S.) Office of Undergraduate Studies
Business Administration (B.A.B.A.) College of Business Administration
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Early Childhood Education (B.S.) College of Education
Elementary Education (B.S.) College of Education
Exceptional Student Education (B.S.) College of Education
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Liberal Studies (B.A., B.S.) Office of Undergraduate Studies
Nursing (B.S.N., R.N. to B.S.N.) College of Health and Public Affairs
Photography (B.S.) College of Arts and Humanities
Political Science (B.A.) College of Sciences
Psychology (B.A., B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
Sociology (B.A.) College of Sciences

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
Hospitality Management
Interpersonal Communication
Legal Studies
Organizational Communication
Political Science
Psychology
Religious Studies
Social Sciences – Interdisciplinary
Sociology
Women’s Studies (Minor and Certificate)

Graduate Degree Programs
Business Administration (P.M.B.A.)* College of Business Administration
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
*Administered in association with the Executive Development Center of the College of Business Administration

Graduate Certificate Programs
Corrections Leadership
ESOL Endorsement K-12
Professional Writing
Reading Education

UCF Downtown
(407) 317-7700

Undergraduate Degree Programs
Legal Studies (B.A., B.S.) College of Health and Public Affairs

Undergraduate Minors
English – Writing
Health Services Administration
History
Legal Studies
Political Science

Psychology
Social Sciences – Interdisciplinary
Sociology

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

Graduate Degree Program
Industrial and Organizational Psychology (M.S.) College of Sciences

UCF at MetroWest
(407) 582-5500
(In partnership with Valencia Community College)

Undergraduate Degree Programs
Applied Science (Supervision & Administration Track) (B.A.S.) Office of Undergraduate Studies
Business Administration (B.A.B.A.) College of Business Administration
Liberal Studies (B.A.) (Very limited in scope. Please see an advisor.)
Office of Undergraduate Studies
Psychology (B.A.) College of Sciences

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

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

Undergraduate Degree Programs
Elementary Education (B.S.) College of Education
Psychology (B.A.) College of Sciences

Undergraduate Minors
English – Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences – Interdisciplinary
Sociology

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

Undergraduate Degree Programs
Elementary Education (B.S.) College of Education
Psychology (B.A.) College of Sciences

Undergraduate Minors
English – Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences – Interdisciplinary
Sociology

UCF at Palm Bay
(321) 433-7995
(In partnership with Brevard Community College)

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

Undergraduate Minors
Criminal Justice
Early Childhood Education
English – Writing
Health Services Administration
History
Legal Studies
Organizational Communication  
Political Science  
Psychology  
Social Sciences – Interdisciplinary  
Sociology  

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

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

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

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

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

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

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

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

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

Central Florida Research Park  
The Central Florida Research Park, adjacent to the main UCF campus, is a University-related research park established as a result of legislation passed by the Florida Legislature in 1978. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners (which appoints the members of the Authority). The governing body of the Research Park is the Orange County Research and Development Authority.  
The objectives of the Central Florida Research Park are in keeping with the legislative action that enabled its creation “to encourage and promote the establishment of research and development activities, including laboratories, 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 honor UCF to design and oversee programs covering art administration, art therapy, and art education within the Central Florida community.  
Carl H. Galloway Chair for Excellence in Business: Created in 1986 to honor Carl Galloway, a pioneer in telecommunications. The purpose is to enhance scholarly activity in teaching and research in the College of Business Administration. Chair: Shelby 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: George I. A. Stegeman.  
Darden Eminent Scholar Chair in Restaurant Management: Created in 1990 to develop a program of excellence in management. This chair, the first of its kind in the country, also serves as a critical resource for the hospitality industry. Chair: William Fisher.  
SunTrust, N.A. Eminent Chair in Banking for Teaching Excellence: Created in 1989 to attract a nationally or internationally prominent expert in banking with a strong commitment to undergraduate, graduate, and executive development. Chair: Stanley Smith.  
AI 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
University Of Central Florida

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.

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

**CFHLA Eminent Scholar Chair in Hotel Management:** Created in 2002 to support the teaching and research of an internationally recognized scholar in hotel management. Chair: Edward H. Robinson, III.

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

**Orange County Eminent Scholar:** Created in 2004 to attract a nationally or internationally prominent scholar to conduct research in his/her primary field and to assist in the development of research, programs, and support services for the Institute for Economic Competitiveness, College of Business Administration. Chair: TBA.

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

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

**Beat M. and Jill L. Kahli Endowed Chair in Oncology Nursing:** Created in 1995 to support work with researchers and clinicians in helping to improve the lives of cancer survivors. Chair: Karen Drummond.

**Chatlos Foundation Endowed Fund:** Created in 2004 to attract a nationally or internationally prominent scholar to conduct research in minority health issues, award scholarships to nursing students, purchase supplies, and maintain the equipment at Community Nursing Centers and the Nursing Skills Laboratory. Chair: Emma “E.J.” Brown.

**UCF Public Safety and Police**

The UCF Police Department is a full-service law enforcement agency. The 50 certified police officers provide police services twenty-four hours a day, seven days a week. The Patrol Division patrols the campus on foot, marked patrol cars, canine units, and on marked motorcycles. The Investigations Unit (407-823-5980) consists of five detectives who investigate all unresolved criminal cases.

The Community Relations Unit (407-823-2165) presents crime prevention seminars for professional and personal protection for the community. The Community Relations Unit also hires and trains students for the Safe Escort Patrol Service (SEPS) 407-823-2424, which is an evening escort service for all individuals on campus (Sunday through Thursday evenings, 7:00 p.m. to 1:00 a.m.). The Victim Services Unit, University Towers, Ste. 450, 12201 Research Parkway, (the main office number: 407-823-2425; Christine Mouton, Coordinator. 407-823-1894; Katie McDaniel, Victim Advocate, 407-823-1892) provides services for: 1) emotional support and practical assistance; 2) information and referrals; and 3) education. The Parking Services Division (407-823-5812) maintains campus parking and provides assistance to stranded motorists. For more information about parking regulations, online registrations for parking decals, and the UCF Shuttle Program, see their website at http://parking.ucf.edu

UCFPD publishes a complete brochure titled Knight’s Safety Guide. The Knight’s Safety Guide presents an overview of all police services and offers crime prevention tips and campus crime statistics in compliance with the Federal Crime Awareness and Security Act of 1990. A copy of the Knights Safety Guide is available at the Undergraduate Admissions Office, Human Resources Office, and the University Police Department. A copy is mailed each year to students, faculty, and staff. For more information the UCFPD website is http://police.ucf.edu

**International Services Center**

**Director:** Nataly Chandia

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 international students, scholars, and employees at the University of Central Florida, as well as assistance in adjusting to a new academic environment and culture. Further, the ISC has and will continue its efforts, plans and processes to ensure legal compliance with the federal regulations, so international populations can maintain their status. Services of the International Services Center include issuing necessary CIS documents to facilitate visa issuance abroad, transfer procedures, employment authorization for students and scholars, H1B visa holders’ immigration advice by professional lawyers, and international tax assistance. The ISC policies pertain to academic record changes, curriculum file management, the degree audit program, and University-wide academic policies and graduation requirements. The primary goal of the ISC is to apply these policies fairly, promptly and evenly 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.

**Office of Undergraduate Studies**

**Vice-Provost and Dean:** John F. Schell

The Office of Undergraduate Studies supports the colleges in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experi-
Information Technologies and Resources
Vice Provost: Joel L. Hartman, MH 350, Phone 407-823-6778
http://reach.ucf.edu/it

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

University Libraries
http://library.ucf.edu

Director of University Libraries: Barry B. Baker
LR 512; 407-823-2564
Associate Director for Administrative Services: Frank R. Allen
LR 512; 407-823-2564
Associate Director for Public Services: Margaret K. Scharf
LR 512; 407-823-2564
Associate Director for Collections and Technical Services: Jeannette A. Ward
LR 502; 407-823-2575
Assistant Director for Systems and Technology: Selma K. Jaskowski
LR 512; 407-823-5444


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

The main library is open 105 hours per week. Operating hours are available on the Web site: http://library.ucf.edu or by calling (407) 823-2756. Over 200 computer workstations are available for public use on all five floors of the main campus library, including 35 laptops equipped with wireless cards that can be checked out for use anywhere in the library building. Wireless technology enables patrons who have laptops with wireless cards to connect to the Library's electronic resources and to the Internet from anywhere in the main library building. The Library also has two classrooms outfitted with 41 computer workstations for hands-on instruction in the use of electronic resources.

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

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

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

Primary source material services supports the research, teaching, and service of the UCF community. These special materials, which cannot be easily replaced, include but are not limited to books, manuscripts, historic public records, ephemera, photographs, and art. The Libraries' digitization projects continue to make more of these exciting and unique materials available on the World Wide Web. The Libraries partners with other university libraries and local institutions in Central Florida Memory, Florida Heritage, and similar projects to provide digital access to special and historic images and documents.

The Curriculum Materials Center (CMC), a unit of the University Library, is located in the Education Building. The CMC provides representative K-12 curriculum materials for preview, review, analysis and circulation. The facility serves primarily the students and faculty of the College of Education (COE), however is open to all campus faculty, staff, and students. For more information see the CMC web page at http://library.ucf.edu/cmc or call 823-2791.

The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management in the heart of the tourist corridor on Universal Boulevard. Though the facility primarily serves the students, faculty, and staff of the Rosen School, the library is open to the entire UCF community as well as to hospitality industry professionals. The Library is fully staffed and users have access to WebLUIs and most of the services and resources provided by the main campus library. For additional information, call: (407) 903-8100.

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

Office of Instructional Resources
Director: Ruth Marshall; Classroom Building 1, Room 203; 407-823-2571, Fax 407-823-2109; http://www.oir.ucf.edu
The Office of Instructional Resources (OIR) supports UCF administrators, faculty, and staff with multimedia design and production, digital imaging, video conferencing, and ITV course origination. OIR also partners with instructional designers, faculty, and staff with multimedia design and production, digital imaging, video over IP, interactive video course delivery, video production, audio production, digital photography, graphics, and a full range of multimedia classroom support services. OIR manages UCF's interactive video network, which includes eight origination rooms on the Orlando campus and sixteen receive rooms at regional campus locations. OIR's facilities include the Digital Image Processing Lab (DIPL), located in the Research Pavilion (Suite 169) in the Central Florida Research Park. In association with its community partners, DIPL offers UCF faculty access to state-of-the-art digital imaging technologies including digital-image processing, digital document scanning, and CD-ROM production. OIR's Faculty Multimedia Center (CL 202) provides multimedia production and training resources for faculty using Macintosh and Windows personal computer systems. OIR's Interactive Video Classroom (CL 320) is used for videoconferencing and ITV course origination. The room also provides faculty with an excellent location for training in ITV production and delivery skills. OIR also supports more than 340 advanced multimedia classroom and eight interactive video origination classrooms located throughout the campus and our Regional Campus locations.
OIR provides UCF with a full array of distributed-learning delivery systems, including an interactive video network that serves eight rooms on the Orlando campus; UCF Downtown; UCF at Daytona, UCF at Cocoa, UCF at Palm Bay, UCF at MetroWest (Valencia), UCF at South Lake (Clermont), UCF at Kennedy Space Center, UCF
at South Orlando, and other regional locations. OIR provides cable television delivery on the Orlando campus, ISDN and IP-based videoconference equipment and services.

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

Course Development and Web Services (CDWS) is responsible for supporting UCF’s institutionally-sponsored online programs such as online learning (http://online.ucf.edu), the main Web site (http://www.ucf.edu), myUCF portal (http://my.ucf.edu), and enterprise applications such as AskUCF (http://ask.ucf.edu), and eCommunity (http://ecomunity.ucf.edu). CDWS also conducts faculty development or initiatives identified as priorities for support through an institutional planning process. Examples of faculty development include IDL6543 (http://reach.ucf.edu/~id6543), ADL5000 (http://reach.ucf.edu/~ad5000), and Essentials (http://reach.ucf.edu/~essentials). CDWS offers support for students taking online courses through the Teaching Online Web site (http://team.ucf.edu), and offers support for faculty through the Teaching Online Web site.

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

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

Graduation Rate Disclosure
The completion or graduation rate is the rate at which full-time, certifi- cate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, either complete or graduate from their programs. The freshman retention rate for Fall 2004 students is 83 percent. The information is public and available for review in the UCF Library.

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

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

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

The Student Transportation Shuttle Service provides transit needs for student apartment communities, as well as traveling through the Research Park area. This service consists of fixed routes operating on 15-minute intervals. All students, faculty, and staff are eligible to ride the shuttle at no per-trip cost. Additionally, UCF has available intracampus travel on the shuttle’s Black and Gold line. Each route has ten stops on campus. Shuttles operate continuously from 7:00 a.m. until 4:00 p.m. Please refer to our webpage at http://parking.ucf.edu/shuttle.html or call 407-823-6767.

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

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

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

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

The UCF Alumni Association, offers many volunteer opportunities and awards more than $40,000 in scholarships to eligible students every year. To join, or for more information, stop by the UCF Alumni Association located in the Research Pavilion, 12424 Research Parkway, Suite 301; call 407-UCF-ALUM (823-2588); toll-free (800) 336-ALUM; or connect anytime at www.ucfalumni.com.

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

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

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

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

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

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

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

Undergraduate Admissions

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

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

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

Student Financial Assistance

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

The Office of Student Financial Assistance manages resources for all students. Once financial aid eligibility is determined, the office provides options to help students meet their educational goals. Comprehensive counseling is available by appointment. Due to confidentiality, counseling by phone and email is limited.

Student Outreach Programs

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

The primary mission of Student Outreach Programs is to attract, motivate, and prepare select underrepresented student groups to complete a college education. These students are provided with essential information, educational materials and colloquial experiences to enhance their preparation for post-secondary study.

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

Throughout the year, workshops, seminars and other activities and events are sponsored to support the student’s personal development and academic achievement. Students are invited to the UCF campus throughout the year, and may also participate in summer programs that provide an early introduction to college life and which equip students with unique approaches to attain college preparedness.
Introduction
The Division of Student Development and Enrollment Services (SDES) is an integral part of the University of Central Florida. Reporting to the provost, SDES is responsible for the administration and management of programs, services, facilities, and activities designed to support learning both inside and outside the classroom. The division is committed to providing an integrated program of opportunities that emphasizes key transitions, student and academic support services, and personal growth. Some of these include: orientation, first year academic advising, academic exploration, registration, multicultural services, personal counseling, housing and residence life, health services, career development, the student union, recreation services, student activities and organizations, tutoring, learning assistance, and leadership development.

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

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

Academic Development and Retention
Associate Vice President: Mark Allen Poisel; MH 282
The Unit of Academic Development and Retention facilitates successful student transitions and experiences by providing the foundation and support for their academic, personal and career success.

Academic Services for Student-Athletes (ASSA)
Director: Mark Gumble; WDSC 110, SABRE Centre; 407-823-5895
http://www.assa.sdes.ucf.edu
The Office of Academic Services for Student-Athletes works in collaboration with the Athletics Department to assist student-athletes in their efforts to establish and achieve their personal, academic, NCAA Division I academic-athletic eligibility, and career planning goals. ASSA services include:

- Providing transition services that promote the academic success of student-athletes;
- Guiding student-athletes in their selection of meaningful and appropriate major and minor fields of study;
- Assisting student-athletes with course registration, understanding of policies and procedures, and tracking progress towards degree completion;
- Organizing study halls and tutorial services;
- Leading student-athletes in their personal development through participation in the NCAA CHAMPS Life-Skills Program;
- Directing students to utilize the full spectrum of other University...
Director:
First Year Advising and Exploration (FYAE)
Interim Director: Gloria Laureano; PH 116; 407-823-3789
http://firstyear.sdes.ucf.edu

Academic Exploration Program (AEP)
407-823-5322; http://aep.sdes.ucf.edu

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

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

Student Academic Resource Center (SARC)
Interim Director: Terry Exum; PH 113; 407-823-5130
www.sarc.sdes.ucf.edu

The Student Academic Resource Center provides high-quality programs and services that enable UCF students to achieve their academic goals. Some of these programs include: Supplemental Instruction, tutoring, academic advising, testing services and learning enhancement workshops.

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

Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, statistics, chemistry, Spanish, economics, and biology, to name a few. In total, SARC provides individual and group tutoring for more than 36 courses.

Each semester, SARC also offers a series of academic success workshops designed to address common student issues. Among these are test-taking strategies, time management, reading effectiveness, and memory improvement. Additionally, preparatory workshops are offered for the math portions of the College Level Academic Skills Test (CLAST) and General Knowledge exam. Computer-assisted learning programs are also available for the GRE, GMAT, and CLAST exams.

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

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

University Testing Center (UTC)
Assistant Director, Rebecca Piety: PH 107; 407-823-5109
www.sarc.sdes.ucf.edu

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

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

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

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

The Office of Transfer and Transition Services has been organized to help transfer students make a seamless transition so that they have a more successful experience at the University of Central Florida. The office provides the following resources and services:

- General advising and referral for transfer students before and after they enroll at UCF;
- Advising for transfer students who are undeclared majors, undecided, or changing majors;
Counseling Center
Director: TBA.; CC: 407-823-2811
http://www.counseling.sdes.ucf.edu

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

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

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

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

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

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

UCF, being a member of SOC (Service Members Opportunity College) provides credit for military training and education. Credit is awarded for regionally accredited schools and courses only. Transfer credit is not awarded for experience, military skills level and/or special certifications. In addition, no credit is awarded for Basic Military Training. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS, or other official military records. U.S. Air Force veterans must coordinate with the Community College of the Air Force to provide official CCAF transcripts to the Undergraduate Admissions Office.

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

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

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. Accordingly benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the University. If reinstated by the University following disqualification, exclusion, suspension, or expulsion, the veteran or eligible dependent must contact Veteran Services to have their VA educational benefits re-activated.
Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. For students who fail to maintain satisfactory academic progress, benefits will be terminated once the required credit hours of course work for the program of study are completed, regardless of the GPA or eligibility for graduation. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.

**Student Disability Services (SDS)**

**Director:** Philip Kafkin; FC 132; 407-823-2371

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

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

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

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

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

**Administrative Services**

**Associate Vice President:** Sharon Ekern; MH 282; 407-823-3160

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

**Budgets and Personnel Support**

**Director:** David L. Pavloumis; MH 282; 407-823-1045

http://www.asfbusinessoffice.ucf.edu

**Activity and Service Fee Business Office**

**Director:** Joseph Sciarro; SU 215; 407-823-5548

http://www.asfbusinessoffice.ucf.edu

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

In addition, our office manages the operation of the Student Government Computer Lab, which is located in SU 209. The Student Government Computer Lab has 41 computer stations available and is the only lab that provides FREE printing to currently 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; Counseling Center; 407-823-0879

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, counseling, and referrals. 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 Education Program.

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

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

For Alcohol/Drug Policy, visit www.goldenrule.sdes.ucf.edu/14_Drug-Free.html.

**Creative School for Children**

**Director:** Marcia Diebler; CSC; 407-823-2726

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

The Creative School for Children is the Educational Research Center for Child Development and provides an early experience educational program for children ages 2 -5 years old. The daily program is planned and conducted by degreed teachers. The program provides a wide variety of experiences in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned and spontaneous field trips and special family programs are part of the yearly schedule. Experiences in observation and training in academic areas also are made available to University students. Opportunities for educational research are available to university faculty and graduate students. The school enrolls children of University students, faculty, and staff. Operating hours are 7:45 a.m. to 5:15 p.m., Monday through Friday.

**REACH Health and Peer Education Program**

**Coordinator:** Kerri Nola; LS 716; 407-823-5457

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

**Assessment and Planning**

**Director:** Ronald H. Atwell; MH 282; 407-823-2628

http://www.assessment.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.

**Campus Life**

*Associate Vice President*: Craig E. Ullock; SU 304; 407-823-2626

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

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

**Housing and Residence Life**

*Director*: Christi Hartzler; HAB 101; 407-823-4663

http://www.housing.ucf.edu

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

Apartment-style housing is available at the Rosen College of Hospitality Management. Hospitality Management majors who attend classes at the Rosen College may utilize the 392 bed facility that is adjacent to the college.

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

Priority for room assignment for a new applicant is based on the date the housing application was received after the first cohort has occupied the available spaces. Applicants are encouraged to read the housing application carefully before submitting the completed application. Students are encouraged to read the housing application carefully before submitting the complet-ed application with the appropriate pre-payment to the Department of Housing and Residence Life.

The housing academic term contract, when issued for the fall semester, is a two-semester obligation (fall and spring semesters). Summer session contracts are for the summer only and do not extend to include the fall semester. The Rosen College of Hospitality Management Apartments and the Convocation Center Apartments are annual contracts.


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

**Fraternity and Sorority Life**

*Interim Director*: Belinda Boston; SU 154; 407-823-2072; (Greeek Council Office, SU 154, 407-823-2072)

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

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

Sorority or fraternity life can offer students a “home away from home,” a source of job contacts, a scholastic support system, an organization for community service, hands-on experience in running a working entity, and a foundation for long-lasting friendships. Currently, 43 fraternities and sororities involve more than 3,100 students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

Students are encouraged to take a closer look at UCF’s Greek System through a participation in recruitment. The Interfraternity Council and Panhellenic Council sponsor “Recruitment” or “Rush,” which actually consists of visiting the various chapters to meet current members and to ask questions about their organizations. Diversified Greek Council (DGC) sponsors Meet the Greeks and the National Pan-Hellenic Council (NPHC) sponsors a Greek Expo, which allow students to become familiar with those groups comprising that governing body. Whether or not an individual chooses to join a fraternity or sorority, Recruitment, Greek Expo and Meet the Greeks are excellent ways to meet people and become acquainted with life at the University of Central Florida. Learn more about fraternities and sororities by visiting our website at: http://www.greeklife.sdes.ucf.edu

**LINK - First Year Experience Program**

*Assistant Director of Housing and Residence Life*: Jeff Novak

*Jaclyn Bayer*: Coordinator

Academic Village, Nike Community Office; 407-882-LINK, www.l ink.ucf.edu

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

The LINK Program works with various UCF student support departments and programs to identify educational programs that New Knights should be participating in throughout their first year. These co-curricular programs complement the in-class academic experience and help first-year students develop the skills necessary to be successful in college. The LINK Program packages these educational programs under the LINK name and promotes them to first-year students in such a way to encourage their active participation.

As an incentive to encourage first-year students to participate in these educational programs, New Knights receive points for every LINK program in which they participate. These points are known as LINK Loots. First-year students can acquire LINK Loot by participating in a LINK program. New Knights receive LINK Loot points by either swipeing their UCF ID card or signing their name on an attendance sheet at beginning or end of each LINK program. First-year students can use their LINK Loots points to bid prizes at the LINK Auction. The LINK Auction is held at the end of each fall and spring semester. A complete list of prizes is located on the LINK website at www.link.ucf.edu.

**Off-Campus Student Services (OCSS)**

*Assistant Vice President and Director*: Jimmy Watson; HAB 101; 407-823-6505; http://www.housing.ucf.edu/ocsrc

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

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

UCF Regional Student Services
Assistant Vice-President and Director: A.J. Range
Phone: 407-823-3887
Interim Director: Southeastern Region Campus Life: Jim Smith
Director, Eastern Region Campus Life: Diana L. Weidman

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

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

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

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

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

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

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

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

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

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

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

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

Student Leadership Programs
Director: Gary Morgan-Muskin; SU 207; 407-823-2223
http://www.slp.sdes.ucf.edu

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

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

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

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

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

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

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

Rosen College of Hospitality Management Campus Life
Director: Tony Perry
9907 Universal Blvd., Suite 201L
407-903-8072
Division Of Student Development And Enrollment Services

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

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

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

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

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

Dispute Resolution Services
Coordinator: Patty Farris; FC 150; 407-823-3477
http://www.drs.sdes.ucf.edu

Dispute Resolution Services enhances the University community by offering mediation training and services directed at resolving interpersonal disputes 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) basic introduction to conflict resolution skills and mediation techniques session; and 2) as an advanced mediation techniques session. Mediation services are provided to students, faculty, and staff at no charge. Mediation training is provided to students at no charge, and to faculty and staff at cost. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the University community.

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

The Office of Student Conduct addresses alleged violations of the “Rules of Conduct” contained within the student handbook, The Golden Rule. This office is also responsible for advising students of their rights during the Student Conduct Review Process, dean’s certification, and student eligibility checks. The Office of Student Conduct annually publishes the student handbook, The Golden Rule, which contains more detailed information on student life. Copies may be obtained at SRC 154, or may be viewed on the web at http://www.goldenerule.sdes.ucf.edu. Students are urged to take advantage of the many services and educational programs available through the Office of Student Conduct and the Office of Student Rights and Responsibilities.

Student Legal Services
Director: Patricia A. MacKown; FC 155; 407-823-2538
http://www.stulegal.sdes.ucf.edu

Student Legal Services provides students with advice and consultation, including court representation, in selected areas of law such as landlord/tenant, consumer, simple wills, traffic, and criminal. Each eligible student (i.e., an undergraduate or graduate student currently enrolled in UCF) is entitled to consult free of charge with a Program Attorney about any legal matter not excluded by program guidelines. Students in need of legal services should contact Student Legal Services at 407-823-2538, or visit Student Resource Center Room 155. This service is by appointment only and no legal advice is given over the phone.

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

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

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

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

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

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

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

The Intramural Sports program offers the opportunity to participate in more than fifty action-filled team, dual, and individual sports, including perennial favorites flag football, basketball, soccer, and floor hockey. Several competition divisions are offered to accommodate various skill levels.

A unique aspect of the UCF program is referee development, in which students can be trained to officiate sports, earn money on campus, and have an opportunity to work in the Orlando community. To sign up for a team, as an individual, or for more information, visit http://www.imsports.ucf.edu or call 407-823-2408. Get involved and remember to take a little time each day to play.

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

The Student Union is the meeting place on campus and provides the campus community with a variety of meeting places, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey’s Coffee, Smoothie King, Steak Escape, Uncle Al’s Famous Hotdogs, Subway, Sbarro, Baja Burrito Kitchen, Mrs. Field’s, Pretzel Time, Wackadoo’s Grub and Brew along with a new restaurant to be announced later. Retail stores include Park Avenue CD’s, Greek Unique, KnightStop Convenience Store, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Center, U.S. Postal Center, Kaplan Test Services, and ATM’s from SunTrust, Bank of America, and the UCF Credit Union. For information, call 407-823-0001.
The Office of Undergraduate Admissions at the University of Central Florida coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida state university transient students to the Orlando, Daytona, South Lake and Cocoa campuses. The office's primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to, achieve growth and success at, and benefit from attending the University of Central Florida.

The Office of Undergraduate Admissions seeks to attract students who are motivated, creative, and committed to academic excellence. The office will accomplish this through personal contacts, strategic communication, information management, and targeted recruitment. The office is dedicated to providing quality customer service through effective teamwork and through the development of collaborative partnerships with both internal and external communities. The office administers several programs for prospective students and parents, including daily tours and information sessions, open houses, area receptions for admitted students, and high school and community college visits by admission counselors. It also provides the opportunity to meet one-on-one with an admission counselor on campus. Please contact the office at 407-823-3000 or visit our website for further information. Office hours are: Monday/Thursday 9:00 a.m. to 7:00 p.m., Tuesday/Wednesday/ Friday 9:00 a.m. to 5:00 p.m.

Campus Visit Experience

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

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

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

Applicants should understand that this Undergraduate Catalog outlines minimum requirements to be considered for admission and that admission to the University is selective. The satisfaction of minimum requirements does not guarantee admission. Conversely, Florida Department of Education policy allows the University to admit students to any semester as exceptions to the minimum requirements. The Undergraduate Admissions Office and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exceptions policy. Applicants must request that official transcripts from each educational institution attended be forwarded directly to the Undergraduate Admissions Office. To be considered official, all supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents (official transcripts and test scores) must be received by Undergraduate Admissions no later than 10 days after the first day of classes. Note: Furnishing false or fraudulent statements in connection with an application or a student’s 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.

Reactivation
Students who have submitted an application for admission to UCF as a degree-seeking student and do not attend, may reactivate the original application within one year of the term for which they first applied. To update the application, students should request and complete a reactivation form by the published application deadline date. This form is available in the Undergraduate Admissions Office, online, or by calling 407-823-3000. This process reactivates the application only; additional official credentials may be required. Admission for one term does not guarantee admission for a future term.

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

Orientation
All first-time undergraduate degree-seeking students are required to attend orientation prior to enrollment. Orientation information is mailed to all students offered admission to the University.

Admission Categories
Students may submit applications to the University for one of the following categories:
A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment (includes early admission and dual enrollment, on- or off-campus)
C. Transfer
D. Second Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public university)
F. Limited Non-Degree Seeking

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

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

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

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

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

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

Total Units 18

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

<table>
<thead>
<tr>
<th>GPA</th>
<th>Minimum SAT score</th>
<th>Minimum ACT score</th>
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<tbody>
<tr>
<td>2.0</td>
<td>1140</td>
<td>25</td>
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<tr>
<td>2.1</td>
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<tr>
<td>3.0</td>
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</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 semester 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 Scholastic Aptitude Test (SAT I) or American College Test (ACT);
   - written letter of recommendation from high school counselor or school district permission form;
   - written permission from parents or legal guardian.

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

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

### Transfer Applicants

UCF welcomes transfer applications to the University. Students should submit either the University of Central Florida Undergraduate Admissions Application or apply online at [http://www.admissions.sdes.ucf.edu/underapplink.asp](http://www.admissions.sdes.ucf.edu/underapplink.asp), and arrange to have official transcripts sent from all college attended. The Undergraduate Admissions Office computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded State articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college or Florida public university.

Applicants must have a current minimum GPA of 2.5, and must have a cumulative minimum GPA of 2.5 and be in good standing as a degree seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements does not guarantee admission.

Transfer students are required to complete, at least, 30 hours in residence at UCF to earn a bachelor’s degree. In addition, students must complete 48 hours in residence at UCF to be eligible to receive baccalaureate honors recognition at the time of graduation. Transfer students are encouraged to review the current edition of UCF’s “Transfer Counseling Manual” available in Florida public community college counseling offices. The manual provides the recommended community college course requirements for all majors as well as other helpful information.

### Transfer Applicants With Fewer Than 60 Credit Hours

All college transfer applicants with fewer than 60 semester 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 2.5 GPA on 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 the 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 semester hours of academic work exclusive of occupational courses and basic required physical education courses;
- An approved general education program of at least 36 semester 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 semester 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 pro-
UNDERGRADUATE ADMISSIONS

7. Equal opportunity with native university students to enter limited programs; and

Shall 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 2.5 GPA and 60 semester hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and
- A minimum of eight semester hours of college instruction in a single foreign language.

This requirement applies to those students without the required two units of a single foreign language in high school.

Meeting these minimum requirements does not guarantee admission.

Second Bachelor's Degree Applicants

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

- Students who have never attended a 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 semester hours or 6 graduate semester hours may be earned as a limited non-degree seeking student;
6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling without admission to a degree or certificate program;
7. Limited Non-Degree students are not eligible to receive financial aid nor to participate in intercollegiate sports; and,
8. Students must complete a Limited Non-Degree Seeking Status Registration Form.

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

International Applicants

The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida "Undergraduate Admissions Application," or apply online at http://www.admissions.sdes.ucf.edu/underapplink.asp. Because of additional processing time needed for non-immigrant students joining UCF on F-1 or J-1 Visas, those students should submit the application and all required academic documentation by the international admissions deadlines. These students must also complete and submit the required financial and immigration documents by the deadline. The deadlines for Fall semester are February 1 (for students abroad) and March 1 (for transfer students); for Spring semester, July 1 (for student abroad) and September 1 (for transfer students). The University does not accept admissions applications for Summer semester from F-1 and J-1 applicants from abroad or transferring from other U.S. institutions:

- Submit the completed UCF admissions application form with the required $30.00 application fee (check or money order in U.S. currency). An online application is available on our web site at http://www.admissions.sdes.ucf.edu/underapplink.asp.
- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.
- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more semester hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.
- 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 semester 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
Institutions” means those colleges and universities accredited by any accreditation agencies.

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

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

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

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

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

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

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

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

Executive Director: Mary H. McKinney
Millican Hall, Room 120
Switchboard: 407-823-2827
Appointment: 407-823-5285
Fax: 407-823-5241
E-mail: finaid@mail.ucf.edu
Web site: http://finaid.ucf.edu
Office Hours:
Monday: 9:00am - 7:00pm
Tuesday, Wednesday, Friday: 9:00am - 5:00pm
Thursday: 1:00pm - 7:00pm
(Hours subject to change during holidays and semester breaks.)

The Office of Student Financial Assistance manages resources for all students. Once financial aid eligibility is determined, the office provides options to help students meet their educational goals. Comprehensive counseling is available by appointment. Due to confidentiality, counseling by phone and e-mail is limited.

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

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

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

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

Financial Aid Programs Available at UCF
Financial aid comes in many forms, such as grants, loans, employment, waivers, and scholarships. The Program Eligibility Charts on the Web site under “Receiving Aid” list the various programs and their specific enrollment requirements. Detailed information for each program can also be found on the Web site under its particular title. Grants are considered gift aid and do not have to be repaid. Only undergraduate students who have not previously received a bachelor’s degree and who demonstrate financial need are eligible for grant programs. Awards are based on the amount of available funds and the number of eligible applicants. To be considered for grant awards, students must meet eligibility requirements and have a valid FAFSA on file with the office.

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

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

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

Award Notification
Award notifications are mailed to first time UCF students after March 15th, while e-mail award notifications are sent to continuing students. Initial awards may be amended due to factors such as contingent admission status, less than minimum hours enrolled, insufficient grades, or 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.

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.

Deferred Tuition and Fees
Financial aid awards will normally result in a deferment 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 weeks after the semester 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, deferments 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.

School Costs
Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF.

Estimated Cost of Attendance for 2006-2007

<table>
<thead>
<tr>
<th>Housing Status</th>
<th>Living with Parent</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Full-time Fall/Spring)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition/Fees</td>
<td>$3,282.00</td>
<td>$3,282.00</td>
</tr>
<tr>
<td>Books/Supplies</td>
<td>$888.00</td>
<td>$888.00</td>
</tr>
<tr>
<td>Room/Board</td>
<td>$4,454.00</td>
<td>$8,528.00</td>
</tr>
<tr>
<td>Personal Exp.</td>
<td>$2,210.00</td>
<td>$2,210.00</td>
</tr>
</tbody>
</table>

Financial Information

| Estimated Tuition/Fees | $1,592.00 |
| Total (In State)      | $12,426.00 |
| $16,500.00 |
| Non resident Tuition/Fees | $12,868.00 |
| Total (Out of State)  | $25,294.00 |
| $29,368.00 |

Helpful Hints
Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet our application priority deadline date.

Make a copy of tax return forms before submission to IRS;

Start a folder to save financial aid information and photocopies of all documents filed and received. Include student's name and PID on all documents submitted. (Do not submit originals; documents will be shredded after scanning);

Maintain a current e-mail and mailing address on myUCF at all times as required;

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. For 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.

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.

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. 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, such as the Florida Pre-Paid Program;

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 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 computed on the FAFSA;

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

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.
Financial Information

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

**Disbursements**

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

**Satisfactory Academic Progress (SAP)**

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

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

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

**Re-establishing Eligibility after Cancellation**

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

To appeal, the student must:
- Complete the Satisfactory Academic Progress Appeal Form; (available on the Office of Student Financial Assistance Web site at: http://finaid.ucf.edu, under forms.
- Attach documentation supporting specific circumstance(s) to the appeal form; and
- Submit the appeal and the supporting documentation to the Office of Student Financial Assistance.

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

**Transfer Students**

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

**Independent Students**

You will be classified as independent for financial aid purposes only if at least one of the following applies:
- you are 24 years of age or older by December 31 of the award year;
- you are married;
- you are or will be enrolled in a master’s or doctoral program (beyond a bachelor’s degree) during the school year;
- you have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30th of the school year;
- you are an orphan or ward of the court (or were a ward of the court until age 18); or
- you are a veteran of the U.S. Armed Forces. ("Veteran" includes students who attended a U.S. service academy and who were released under a condition other than dishonorable.)

**Dual Enrollment**

Students who have been approved to take classes at another institution might have those hours counted toward meeting financial aid requirements for some programs at UCF. Dual enrollment will not meet eligibility criteria for institutional aid programs. Courses must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the semester in which aid is to be disbursed:
1. Advisor Certification Form with all required signatures;
2. A copy of the Fee Invoice and class schedule confirming that the classes and hours enrolled match the Transient Student Form;
3. A completed Consortium Agreement Form to be completed by the transient school financial aid office.

Dual enrolled students must make arrangements to pay tuition and fees at the visited school since there is no system for deferral of those tuition and fees. In addition, it is the student’s responsibility to insure that the visited school promptly provides UCF with academic transcripts, confirming that the attempted hours are completed. Transcripts or grades should also be submitted to the Office of Student Financial Assistance. This will help avoid academic progress problems. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements. Students may not receive financial aid from two institutions at the same time. Students must decide which of the two institutions is the primary school at which they are degree seeking and apply for aid there. Any inaccuracy will result in a mandatory repayment to one of the two schools for the overpayment.

**Over Awards**

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

**Refunds and Return of Title IV Funds**

Students should be aware that if they withdraw from the university after having received financial assistance, they might have to repay a portion of that assistance. Students who received Federal Stafford Loans should also know that the Office of Student Financial Assistance is required to notify lenders of student withdrawals.

**Professional Judgment**

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

**Student Rights and Responsibilities**

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

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

**Student Accounts Office**

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

**General Information**

The Office of Student Accounts is here to serve the students who attend our university by maintaining accurate financial records and communicating with students concerning their accounts.

The Student Accounts Office is responsible for:
- Tuition and Fee Assessment/Refunds (Student Accounts, MH107)
Financial Information

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

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

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

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

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

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

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

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

Payment Procedures
Payment must be received or postmarked no later than the fee payment deadlines specified to be considered on time. Non-cash payments (checks and money orders) placed in the 24-Hour Depository by the official fee payment deadline will be considered on time.

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

E-Pay -- https://my.ucf.edu -- E-Check or credit card -- non-refundable $10 convenience fee per transaction
Mail -- Do not send cash -- Please include the student’s PID on checks or money orders
Address payments to: University of Central Florida
P.O. Box 918449
Orlando, FL 32891-8449

Payment Locations & Hours:
Cashier’s Office - Main Campus - MH110 – Mon & Thurs 8:30 am to 7:00 pm and Tues, Wed & Fri 8:30 am to 4:00 pm (407) 823-2614
Cashier’s Office - Main Campus - John T. Washington Center-- Mon through Fri 8:30 to 4:00 (407) 823-0828/8029
Cashier’s Office - Brevard Campus (BCC Cocoa Campus) - BLDG 11 Room 204-- Mon through Fri 8:00 am to 3:30 pm (321) 433-7615
Cashier’s Office - Daytona Beach Campus 105- Mon through Thurs 8:30 am to 4:00 pm and Fri 8:00 am to 12:00 noon (no cash) (386) 506-4073
Cashier’s Office - Palm Bay Campus 115- Mon through Fri 8:30 am to 4:00 pm (no cash) (321) 433-5187/5186
24-Hour Depository - Milcan Hall at Reflection Pond Entrance - (no

UNIVERSITY OF CENTRAL FLORIDA 2006-2007 Undergraduate Catalog

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FINANCIAL INFORMATION

2005-2006 Fee Schedule*

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

2005-2006 Repeat Course Schedule*

<table>
<thead>
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<tr>
<td>Transportation Access Fee</td>
<td>$4.34</td>
<td>$4.34</td>
</tr>
<tr>
<td>Repeat Course Fee</td>
<td>$170.22</td>
<td>N/A</td>
</tr>
<tr>
<td>TOTAL PER HOUR FEES</td>
<td>$274.92</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other Fees: Resident and Non-resident *

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCF Campus Card Fee (per academic year)</td>
<td>$10.00</td>
<td>$10.00</td>
</tr>
<tr>
<td>Campus (ID) Card Replacement Fee</td>
<td>$15.00</td>
<td>$15.00</td>
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<tr>
<td>Health Fee (per term)</td>
<td>$6.60 per credit hour</td>
<td>$6.60 per credit hour</td>
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<tr>
<td>Maximum charge: $99.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material and Supply Fee (per term; approved courses only – varies per course)</td>
<td>$5.00-$45.00</td>
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</tr>
<tr>
<td>Equipment Fee (per term, for use of equipment Business majors,...)</td>
<td>Full time: $15.00; Less than full time: $7.50</td>
<td></td>
</tr>
<tr>
<td>Equipment Fee (per term, for use of equipment) Music majors,...</td>
<td>Full time: $70.00; Less than full time: $35.00</td>
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</tr>
<tr>
<td>International Student Service Fee (per term)</td>
<td>$50.00</td>
<td></td>
</tr>
<tr>
<td>Late Registration Fee (students who initially register during Late Registration)</td>
<td>$100.00</td>
<td></td>
</tr>
<tr>
<td>Late Payment Fee (failure to pay, defer or present waiver for fees by payment deadline)</td>
<td>$100.00</td>
<td></td>
</tr>
<tr>
<td>Returned Check Fees (checks returned for any reason):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check amounts up to $50.00</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>Check amounts over $50.00 and less than $300.00</td>
<td>$30.00</td>
<td></td>
</tr>
<tr>
<td>Check amounts over $300.00</td>
<td>$40.00 or 5%, whichever is greater</td>
<td></td>
</tr>
</tbody>
</table>

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

Note: 2006-2007 tuition and fees were not available at the time of publication. Rates for the 2006-2007 academic year will be available in early July, 2006.

Florida Resident Non-Florida Resident

<table>
<thead>
<tr>
<th></th>
<th>Undergraduate</th>
<th>Graduate</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fees Per Credit Hour</td>
<td>$104.70</td>
<td>$241.17</td>
<td>$913.63</td>
<td>$913.63</td>
</tr>
<tr>
<td>Transportation Access Fee</td>
<td>$4.34</td>
<td>$4.34</td>
<td>$4.34</td>
<td>$4.34</td>
</tr>
<tr>
<td>Repeat Course Fee</td>
<td>$170.22</td>
<td>N/A</td>
<td>$170.22</td>
<td>N/A</td>
</tr>
<tr>
<td>TOTAL PER HOUR FEES</td>
<td>$274.92</td>
<td>N/A</td>
<td>$712.64</td>
<td>N/A</td>
</tr>
</tbody>
</table>
cash)
Cashier's Office- Rosen College Campus Room 201A Hours to be determined…. (no cash/debit cards) (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 with a credit card through E-Pay.

Other Forms of Payment
Tuition and fees may be partially or completely paid by Financial Aid, Florida Prepaid, Tuition Waivers, or Department 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 covered by financial aid are due by the fee payment deadline.

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

The standard plan will pay $79.90 per credit hour (graduate or undergraduate level) for the 2005-2006 academic year. The plan does not cover the local fees of $24.80 per credit hour, the health fee, material/supply fees, or the UCF ID Service and Access fee. The local fee plan, which is indicated on the Florida Prepaid Tuition Plan card, will cover $105.36 per credit hour and the health fee. For further details on the Florida Prepaid Tuition Plan please visit our website www.fa.ucf.edu and click Forms. Then click on Student Services. Scroll down to Florida Prepaid Tuition Plan Procedures. Note: the 2006-2007 tuition rates had not been established at the time of publication.

Tuition Waivers
State of Florida Employees Tuition Waiver
Full-time state employees may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. State Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar www.ucf.edu/info/acad_calendar.php for each term. Should the employee register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will be invalid and the employee will be liable for all applicable fees. The tuition waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and direct-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 www.ucf.edu/info/acad_calendar.php 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. Any UCF employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Office (MH 107) by each term’s fee payment deadline. See the Academic Calendar www.ucf.edu/info/acad_calendar.php for each term for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Human Resources website at www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf for eligibility requirements, course restrictions, and the waiver application form. Students are encouraged to list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

Tuition and Fees for Senior Citizens
Persons 60 years of age or older who meet Florida residency requirements may register to audit classes on a space-available basis without payment of tuition and application fees. Registration is on a space-available basis; see the appropriate term's Academic Calendar www.ucf.edu/info/acad_calendar.php for registration dates and times. The tuition fee waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and direct-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 www.ucf.edu/info/acad_calendar.php 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. Any UCF employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Office (MH 107) by each term’s fee payment deadline. See the Academic Calendar www.ucf.edu/info/acad_calendar.php for each term for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Human Resources website at www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf for eligibility requirements, course restrictions, and the waiver application form. Students are encouraged to list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

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

Full Refund Eligibility
The following conditions allow a full refund: 1) A class is dropped before the end of the Add/Drop period; 2) Cancellation of a course 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 15- or 17-week semester, or at the end of the first quarter of classes during a Summer session.

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

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

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

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

Late Fees
Late Payment Fees apply to students who do not pay their fees or
Financial Information

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

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

Fee Appeals

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

Holds

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

Florida Residency for Tuition Purposes

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

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

And

Have established a legal residence in this state and maintained that
legal residence for 12 months immediately prior to the term in which
they are seeking Florida resident classification. The student’s resi-
dence in Florida must be as a bona fide domiciliary rather than for
the purpose of maintaining a mere temporary residence or abode
incidental to enrollment in an institution of higher education, and
should be demonstrated 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 decla-
rations were 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 docu-
   ments will be considered evidence of domicile even
   though no one of these criteria, if taken alone, will be con-
   sidered as conclusive evidence of domicile:
   a. Declaration of Domicile;
   b. Florida voter registration;
   c. Florida vehicle registration;
   d. Florida driver license;
   e. Proof of real property ownership in Florida (e.g.,
      deed, tax receipts);
   f. Verification of permanent employment in Florida by
      the employer, employment records, or other employ-
      ment-related documentation (e.g., W-2 paycheck
      receipts), other than for employment normally pro-
      vided on a temporary basis to students or other tem-
      porary employment. The document must show 12
      consecutive months of Florida employment prior to
      the first day of classes of the term for which the stu-
      dent 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 peri-
      ods 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 profes-
      sion 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 (nota-
   ized copy of most recent IRS tax return)
   Or
   Be married to a person who has been a legal resident of
   the State of Florida for the required 12-month period and
   relinquish legal ties to any other state,
   Or
   Be a member of the Armed Forces on active duty sta-
   tioned 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 univer-
   sity in Florida, a spouse or dependent,
   Or
   Be a dependent and have lived five years with an adult rel-
   ative, who has established legal residence in Florida,
   Or
   Be a person who was enrolled as a Florida resident for
   tuition purposes at a Florida institution of higher education,
   but who abandoned Florida residency and then re-enrolled
   in Florida with 12 months of the abandonment,
   Or
   Be a full-time Latin American or Caribbean student who
   receives scholarships from the federal or state govern-
   ment,
   Or
   Be a United States citizen living on the Isthmus of Panama
   who has completed 12 consecutive months of college work
   at the Florida State University Panama Canal Branch, or a
   spouse or dependent,
   Or
   Be a graduate student of the Southern Regional Education
   Board’s Academic Common Market attending Florida’s
   state universities,
   Or
   Be a full-time employee of a state agency or political sub-
   division of the state when the student fees are paid by the
   state agency or political subdivision for the purpose of job-
   related law enforcement or corrections training,
   Or
Financial Information

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

Or

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

Or

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

And

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

Residency Reclassification

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

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

Residency reclassification requests are subject to Florida Statute 1009.21, Florida State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-7.005. In addition, University policy requires students requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar's Office at 407-823-5100 for additional information regarding all residency reclassification requirements.

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

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

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

The Registrar’s Office may require additional documentation beyond that initially submitted by the student or the claimant before it can render a reclassification eligibility determination and it will not complete its review of the residency reclassification application until both the student and the claimant have submitted all requested documents.
Responsibilities
Academic advising is a process that assists students in the clarification of life goals and the translation of these goals into educational plans. It provides assistance to students as they explore educational opportunities and develop educational plans and objectives.

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

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

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

Academic advising is one of the most important services provided at UCF and can impact a student’s successful progression to graduation.

New FTIC Students can expect to:
1. Attend a mandatory Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first semester, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP and CLEP credit
   c. An awareness of expectations for success at UCF
   d. Information about key academic policies and important deadlines
2. Connect to their first year advising office during the first semester according to the following designated priority order:
   a. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)
   b. Student Academic Resource Center (SARC) - for participants in the College Achievement Program (CAP) or Pegasus Success Program (PH 113)
   c. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program (PH 102)
   d. Transfer and Transition Services (TTS) – for freshman students entering UCF with 45 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (PH 221)
   e. First Year Advising and Exploration (FYAE) - for students not covered by any of the previous categories (PH 116)

3. Plan an appropriate first semester class schedule.
4. View a SASS Degree Audit, the registration time, and search for courses in group settings during Orientation to:
   a. Discuss degree program requirements
   b. Understand career options of the major program of study; and
   c. Plan an appropriate first semester class schedule.

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

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

Continuing students will:
1. Contact the department of their major and meet with a faculty 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 academic 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; and,
5. Check their “Fee Invoices/Schedule” to ensure accuracy of class schedule.
6. Attend any mandatory Honors advising appointments.

Pre-Health Professions Advisement
The Pre-Health Professions Advisement Office (HPA 124; 407-823-2670) serves all students preparing for and seeking admission to professional schools of chiropractic, dentistry, medicine, osteopathic medicine, optometry, pharmacy, podiatry, and veterinary medicine. 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 semester hours of typical undergraduate pre-health professions courses taken at UCF).

Pre-Health Professional Planning
Preprofessional advising deals primarily with application and admission procedures. Admission to a health professional school is highly competitive. Prehealth professions students are expected to be high achievers, and to obtain good grades with heavy loads and rigorous course combinations.

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

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.
Additionally, prudent use of elective hours in the curricula will permit other appropriate pre-health professions courses to be obtained. All pre-health professions students are strongly encouraged to participate in the activities of one or more of the student health related organizations.

**Curricula Guidelines**

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

All pre-health professions students should complete the following courses (many of which are applicable to the GEP):

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

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

**Dates of Importance**

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

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

**College of Arts and Humanities**

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

**New students will:**

1. Meet in a group setting during Orientation with representatives from the College of Arts and Humanities to discuss college policies and procedures;
2. Meet with representatives of the department of the major to discuss major requirements and career opportunities, and plan a class schedule;
3. Refer to OASIS any questions pertaining to general education requirements, AP and CLEP credit, Gordon Rule, university credit hour requirements, university policies and procedures;
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 in the department 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. The myUCF Class Schedule Search is also available online at https://my.ucf.edu each semester, and a SASS Degree Audit is available on myUCF. Questions about the degree audit should be directed to OASIS unless specific to the major requirements;
3. Continue to register for classes through myUCF. Special assisted registration (e.g., overrides, independent study) must be handled in OASIS;
4. Refer to OASIS any questions pertaining to GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures; and,
5. Check their "Fee Invoices" to ensure accuracy of their class schedule.

**College of Business Administration**

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

**New students will:**

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

**Continuing students will:**

1. Meet with a faculty advisor or advisors in the USS to review their academic progress and develop an academic plan. This plan should be reviewed prior to registration each term;
2. Pick up your SASS Degree Audit from myUCF. Check myUCF or the TV monitors for registration dates each term;
3. Register at your scheduled appointment time. Register in myUCF if you are in your major. All changes to your schedule must be completed by the end of the Add/Drop period;
4. Complete all prerequisites prior to admission to upper division classes; 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 Services (ED 110) if their major is Education Pending. An appointment is recommended (407) 823-3723; and,
3. Be assigned to a faculty advisor in the area of their major upon completion of College of Education admission requirements. The faculty advisor's name and telephone number appear on the SASS Degree Audit to assist students in making an advising appointment.

**Continuing students will:**

1. Set up an appointment with a faculty advisor if accepted in a major or the Office of Student Services, if a "Pending" major, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. Complete all prerequisites prior to admission to upper division classes;
3. Register at scheduled appointment time in myUCF. Students with extenuating circumstances may register in person in the College of Education Office of Student Services. Students must complete any changes to their schedules by the end of the published Add/Drop period; and,
4. File an "Intent to Graduate Form" in the College of Education by the end of the term prior to the term in which graduation is intended.
College of Engineering and Computer Science

New students will:
1. Meet with the Engineering and Computer Science Academic Affairs representative in a group setting during Orientation to:
   a. Review the College of Engineering and Computer Science academic policies and procedures;
   b. Discuss degree program requirements;
2. Meet with a faculty advisor in the department of their major to:
   a. Understand the career options of the major;
   b. Plan an appropriate first semester schedule; and
   Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

Continuing students will:
1. See the department of their major during the first few weeks of the term to be assigned a faculty advisor. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the Computer Science Undergraduate Advising Office in CSB 201C;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during orientation to progress through the degree requirements;
4. View a SASS Degree Audit, the registration time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the Engineering and Computer Science Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add/Drop period;
6. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering advisement hold. This plan must be submitted in person to the Engineering and Computer Science Academic Affairs Office each time a student uses the registration process; and,
7. File an "Intent to Graduate Form" in the Engineering and Computer Science Academic Affairs Office by the withdrawal deadline of the term prior to the term in which the student intends to graduate.

College of Health and Public Affairs

New students will:
Meet college advising representatives in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study; and,
3. Plan an appropriate first semester class schedule.
4. If the student is accepted in a major, he or she should check in the department of their major for their assigned faculty advisor during the first few weeks of the semester.

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

Rosen College of Hospitality Management

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

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

College of Sciences
Although students may have several advisors for various reasons, majors within the College of Sciences must meet with their major department and their faculty academic advisor and/or the staff of the Office of Academic Support and Information Services (OASIS; CNH 202) as soon as possible.

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

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

Regional Campus System
New transfer students may meet with a professional or faculty advisor prior to applying to UCF and at any time while enrolled to discuss programs and requirements. Students will meet with faculty/professional advisors in a group setting during orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.
Any student who has not been awarded an AA from a Florida public community college or state university and has not completed the UCF General Education requirements should make an appointment as soon as possible with an advisor at the appropriate UCF Regional Campus System location (or the Orlando Campus) to clarify University policies that will affect the student's status and graduation. Continuing students may meet with their advisors on an on-going basis.
For a list of the academic programs available through the Regional Campus System, see "UCF Regional Campuses" within the "University of Central Florida" chapter of this Undergraduate Catalog.
Transfer and Transition Services

Director: Charlene A. Stinard, Ph.D.
Orlando, FL 32816-0123
407-823-5959 or Fax: 407-823-3955
E-mail: tservices@mail.ucf.edu
Website: http://transfer.sdes.ucf.edu

The following section presents information to help students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. from a Florida public community college or state university are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring without an A.A. from a Florida public institution will want to pay particular attention to UCF’s general education program and how their transfer credits apply to their degree.

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

Where Can I Go For Help?

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

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

How Can a Community College Counselor or Advisor Help Me?

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

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?

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

If you do not complete an A.A. at a Florida public community college or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. In addition, no grade forgiveness will be honored. All attempted credits will be averaged into your GPA for admission purposes. If you have met all the A.A.
Transfer Services

requirements except the CLAST, you should have “General Education Requirements Met” placed on your transcript to assure getting credit for meeting General Education and Gordon Rule requirements. Without this statement you must satisfy UCF’s general education requirements and Gordon Rule courses. If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted.

What If I Have Not Taken the CLAST?

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

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

Admission requirements have changed for students entering the College of Education. The General Knowledge Test (GKT) of the Florida Teacher Certification Examination (FTCE) may now be used as both an admission and graduation requirement for state-approved teacher preparation programs. The CLAST will continue to be an admission option for students, but does not satisfy graduation requirements.

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

What Are the Foreign Language Requirements?

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

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

How Will My Credits Transfer?

All college level credits earned for which official transcripts have been submitted will be compiled into a Transfer Summary Report (TSR), which is available online. The TSR

Transfer Checklist

### Before Completing the A.A.

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<tr>
<td></td>
<td>meet with counselor or advisor for graduation check</td>
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<td>complete application for graduation</td>
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### Application for Admission

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<td>date admission status checked at</td>
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<td><a href="https://My.UCF.edu">https://My.UCF.edu</a></td>
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<td>date of acceptance</td>
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### Transcripts (original transcript from all institutions attended)

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<td></td>
<td>date transcripts sent from all current and prior institutions</td>
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<td>date final transcript sent after term completed</td>
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### Financial Aid/Scholarship

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<td>date financial aid application (FAFSA) sent</td>
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<td>date financial aid notification received from UCF</td>
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<td>date of SCHOLARSHIP application mailed or transfer notice sent to appropriate office</td>
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<td>date of SCHOLARSHIP application response</td>
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### Housing

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<td>Event</td>
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<td></td>
<td>date application sent (include deposit when required)</td>
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<td>date accepted</td>
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### Immunization

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<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>date student health form submitted</td>
</tr>
<tr>
<td>Y_N</td>
<td>need immunizations</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

<table>
<thead>
<tr>
<th>Y_N</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 years/units earned in high school</td>
</tr>
<tr>
<td></td>
<td>8-10 credits earned at the college level</td>
</tr>
<tr>
<td></td>
<td>credits to be taken at the university</td>
</tr>
<tr>
<td>Y_N</td>
<td>exempt from foreign language admission requirements</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.

### Program (Major) Requirements

<table>
<thead>
<tr>
<th>Y_N</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>limited access application</td>
</tr>
<tr>
<td></td>
<td>completed prerequisites</td>
</tr>
<tr>
<td></td>
<td>met grade point average (GPA) requirements</td>
</tr>
<tr>
<td></td>
<td>met minimum cumulative GPA for admission to program of study</td>
</tr>
<tr>
<td></td>
<td>met cumulative GPA in courses taken for program of study</td>
</tr>
<tr>
<td>Y_N</td>
<td>met grade requirements for designated courses</td>
</tr>
<tr>
<td>Y_N</td>
<td>audition, portfolio, additional admission requirements met</td>
</tr>
<tr>
<td>Y_N</td>
<td>CLAST exam or alternatives</td>
</tr>
</tbody>
</table>

### Orientation:

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>orientation date at UCF</td>
</tr>
</tbody>
</table>
is the basis for constructing a SASS Degree Audit, which applies earned credits toward your intended degree program. The audit provides you with an assessment of which degree requirements have been met and which remain to be satisfied. You will use the audit to schedule courses that meet your remaining requirements.

Some credits listed on the TSR may not be applicable toward graduation course requirements; e.g., some departments do not accept a transfer grade of “D” (1.0). You should review the TSR carefully to ensure that all credits are included.

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

When Do I Pay My Bill?

For students taking courses at UCF for the first time, tuition and fee payments are due by the published deadline. Students can print a copy of their fee invoice online from myUCF (https://my.ucf.edu). A late payment fee of $100 will be assessed on all accounts not paid or deferred by each term’s payment deadline. Please note that you will not be sent a bill. It is up to you to view your invoice through myUCF. Payments may be made at the Cashier’s Office, Millican Hall, room 110, or mailed to:

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

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

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

Can Transfer Students Participate in The Burnett Honors College?

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

Transfer Tips:

Office Visits for Transfer Advising

Students are encouraged to contact the Office of Transfer and Transition Services with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday - Friday, 8:30 a.m. - 4:30 p.m.

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

Students should:

Submit your application at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early orientation. This means you will register along with native UCF rising juniors.

Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all letters you send and receive.

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

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

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

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

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

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

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

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

Choice of Catalog (Catalog Year) and Continuous Enrollment
A student must graduate under the provisions of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida public community colleges or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

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

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

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

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

General Education Program Learning Objectives

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

Cultural and Historical Foundation
- Be able to gather, synthesize, and analyze information from appropriate resources and be able to critically evaluate information and sources for accuracy and credibility.
- Identify and 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 appropriate technique and/or technology.
- Be able to solve real-world quantitative problems.
- Demonstrate qualitative understanding of mathematical, statistical, and computing concepts.
- Demonstrate knowledge and understanding of essential computing concepts common to academic degrees and their related professions.
- Demonstrate essential computing skills common to academic degrees and their related professions. In particular, skills relating to professional use of computers and application software.

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

### General Education Program (GEP) Courses (36 semester hours required)

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>English Composition I 1, 2</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>English Composition II PR/ENC 1101 1, 2</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>SPC 1600C</td>
<td>Fundamentals of Oral Communication or SPC 1016</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>COM 1000</td>
<td>Communication</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

### A. Communication Foundation

1. ENC 1101 English Composition I 1, 2
2. ENC 1102 English Composition II PR/ENC 1101 1, 2
3. SPC 1600C Fundamentals of Oral Communication or SPC 1016
4. COM 1000 Communication

### B. Cultural and Historical Foundation

1. EUH 2000 Western Civilization I 2
2. EUH 2001 Western Civilization II 2
3. HUM 2110 Humanistic Tradition I 2
4. HUM 2230 Humanistic Tradition II 2
5. AMH 2010 U.S. History: 1492-1877 2
6. AMH 2020 U.S. History: 1877-present 2
7. WOH 2012 World Civilization I 2
8. WOH 2022 World Civilization II 2

### C. Mathematical Foundation

1. MAC 1105 College Algebra 2
2. MGF 1106 Finite Mathematics 2

### D. Social Foundation

1. ECO 2013 Principles of Macroeconomics 3
2. ECO 2023 Principles of Microeconomics 3
3. POS 2041 American National Government 3

### E. Science Foundation

1. AST 2002 Astronomy 3
2. PSC 1121* Physical Science PR/ MAC 1105 or MGF 1106 3
3. PHY 2053C College Physics I: MAC 1105 and MAC 1114 4
4. CHM 1020 Concepts in Chemistry PR/ High School Algebra 3
5. BSC 1005* Biological Principles 3
6. GLY 1030 Geology & Its Applications 3
7. GEO 3020* Physical Geography 3
8. ANTH 3005 The Human Species 3
9. MCB 3130 Intro to Biotechnology and Genetic Engineering 3

### 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 1141, MAC 2233, MAC 2253, MAC 2254, MAC 2311, MAC 2312, MAC 2313
- ECO 2013 (Macroeconomics)
- Any higher level ECO course which has ECO 2013 as a prerequisite
- PHY 2053C (Physics)
- PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 2052C
- CHM 1020 (Chemistry)
- CHM 2045C, CHM 1032, CHS 1440
- BSC 1005 or BSC 2010C
- GE 1200 (Geography)
- GEO 2300
- CGS 1060C
- CGS 2100C, COP 2200, COP 2500C, COP 3020C, COP 3000C
- STA 2041C (Statistics)
- STA 2032, STA 3032
- THE 2000 (Theatre)
- THE 2020
- FIL 1001 (Cinema Survey)
- FIL 2400, FIL 3401, FIL 3402
- MUL 2010 (Enjoyment of Music)
- MUH 2122, MUL 2016, MUL 2720

#### Substitution of Courses: General Education Program and Other Requirements

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

### 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.

### General Education Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td></td>
</tr>
<tr>
<td>SPC 1600C</td>
<td>Fundamentals of Oral Communication</td>
<td></td>
</tr>
</tbody>
</table>

### Effective Date: Summer 2006

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

Understand how individuals behave and interact with other individuals in their psychological, political, economic and social environments.

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

**DEGREE REQUIREMENTS**

- 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.

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</tbody>
</table>

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

Other Courses:
AMH 3421  History of Florida to 1845
AMH 3423  Florida History 1845-Present
AMH 3562  Women in American History II
AML 3283  Contemporary American Women's Fiction
AML 3615  Harlem, Haiti, and Havana
ANT 3245  Native American Religions
ASH 4304  Women China
CCJ 4463  Cultural Diversity in Criminal Justice
CCJ 4670  Women and Crime
CEJ 4174  Comparative Justice Systems
COM 4014  Gender Issues in Communication
COM 4461  Intercultural Communication
CPO 3304  Politics of Developing Areas
EDG 2701  Teaching Diverse Populations
GEO 3470  World Political Geography
JST 3401  History of the Jewish People I
JST 3402  History of the Jewish People II
LIN 4643  Cross Cultural Communication
LIN 4XXX  African-American Styles of Communication
LIT 3354  Ethnic Literature in America
LIT 3192  Caribbean Literature
MMC 4300  International Media
MUL 2710  Music of the World
NUR 3609  Transitional Concepts in Nursing I
NUR 3617  Promoting Healthy Communities
NUR 3616  Promoting Healthy Families Across the Lifespan
PAD 4446  Multiculturalism in Public Administration
PLA 4020  Law and Society
PLA 4830  World Legal Systems
PLA 4XXX  Employment Discrimination
POS 3627  Cultural Plurism and Law
POS 4323  Women and Politics
POS 4622  Politics and Civil Rights
PUP 3314  Minority Politics
SOW 3420  Social Work with Minorities
SPW 4772  Black Presence in Contemporary Latin America
SYD 3800  Sex Roles in Modern Society
SYP 4323  Social Systems and Diversity
SYP 4734  Minority Aging
SYP 4323  Social Systems and Diversity
THE 3230  Commonality within Cultural Diversity Experienced through Theater
WST 3561  Third Wave Feminism
WST 3015  Introduction to Women's Studies

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

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

Foreign Language Proficiency Requirement
(Bachelor of Arts Degree)

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

Placement in Language Course
- Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.
- Native speakers or students who have received advanced education abroad must substitute select classes.

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

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121 (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.
2. This is a University-wide requirement for all B.A. majors.
3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (PH 106).
4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.
5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

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

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

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

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

Gordon Rule Requirement:  
1. Six hours of mathematics at the level of college algebra or higher  
2. Six hours of English coursework  
(1) College algebra or finite math  
(2) Statistics or computer science  
Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the "Gordon Rule" Requirement.

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

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

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

AMH 3402 History of the South to 1865
AMH 3403 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U. S. Military History To 1900
AM 3561 Women in American History
AMH 3571 Black American History I
AMH 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4140 Jeffersonian America
AMH 4160 Jacksonian America
AMH 4170 Civil War and Reconstruction
AMH 4201 The Gilded Age and Progressivism
AMH 4231 United States History: 1914-1939
AMH 4270 Hitler's Third Reich: 1939-1960
AMH 4311 American Culture I
AMH 4313 American Culture II
AMH 4510 Rise of the United States to World Power, 1776-1914
AML 3031 American Literature I
AML 3041 American Literature II
ANT 3163 Mesoamerican Archaeology
ARH 4450 20th Century Art
ARH 4800 Theory and Criticism of the Visual Arts
ASH 4404 China in 17th and 20th Centuries
ASH 4442 Modern Japan, 19th and 20th Centuries
DAN 3134 Dance History I
EAS 4700C Aerospace Design I
EGN 4412C Interdisciplinary Design I
EML 4501C Engineering Design I
EUH 3122 Medieval Society and Civilization
EUH 3142 Renaissance and Reformation
EUH 3235 Romanticism and Realism
EUH 3242 Modern Europe and the First World War
EUH 3281 Second World War and Rebirth of Europe
EUH 3411 Ancient Rome
EUH 3415 History of Modern France
EUH 3651 War and Society
EUH 4284 Fascism and the Totalitarian Dictatorships
EUH 4405 Hitler's Third Reich
EUH 4500 English History to 1485
EUH 4501 English History: 1485-1815
EUH 4502 British History: 1815-Present
EUH 4571 History of Russia to 1801
EUH 4574 History of Russia: 1801-1917
EUH 4576 History of Russia in the 20th Century
EUH 4620 European Great Powers: 1815-1914
HIS 4130 History and Historians
HUM 3330 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 2101 Advanced Reporting
JOU 4181 Public Affairs Reporting
JOU 4300 Feature Writing
JOU 4306C Critical Writing
JOU 4308 Freelance Writing
LAH 3130 Latin American History I
LAH 3200 Latin American History II
LAH 3400 History of Mexico and Central America
LAH 3470 History of the Caribbean
NUR 2165 Nursing Research
NUR 3805 Transitional Concepts in Nursing
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 3831 Philosophy of Mind
PHI 3832 Minds and Machines: Philosophy of Cognitive Science

College Level Academic Skills Test (CLAST)

The College Level Academic Skills Test (CLAST) is designed to ensure that students have achieved communication and computation skills commensurate with successful completion of the lower-division coursework. All students seeking an Associate of Arts or baccalaureate degree from a State of Florida institution are required by the State to satisfy the CLAST requirement. There are several methods by which students may meet this requirement, but applicants for teacher certification can only satisfy the CLAST by earning passing scores on each subtest. Students who have completed 18 or more semester hours are eligible to take CLAST.

Transfer students with more than 60 semester hours who have not taken the CLAST or who have not met the CLAST requirement may have that requirement admitted, but they must take the CLAST exam during their first term at UCF. If a student has not met the CLAST requirement by the completion of 36 upper division semester hours, enrollment in future terms at UCF will be restricted until the CLAST requirement has been satisfied.

Students with 60 or more credit hours who have not taken the CLAST may be restricted from future registration. Students who have not passed all four subtests of CLAST may enroll in 36 semester hours of upper division credit. If the CLAST requirement has not been satisfied and the 36 hours of upper division credit have been earned, enrollment in future semesters/terms at UCF will be prohibited until the CLAST requirement has been met. An appeal to continue enrollment may be submitted to the CLAST Petition Committee (PH 106). CLAST is offered statewide once per term. Students must register in advance at the University Testing Center (PH 106).

Additionaly, students may retake the English Language Skills, Reading, and/or Mathematics subtests on computer at the University Testing Center, PH 106. A fee will be charged for the computer-adapted CLAST. Information regarding preparation for the CLAST or alternative criteria for meeting the CLAST requirement may be obtained from the Student Academic Resource Center (PH 115) at 407-823-5130. Academic advising offices can answer questions students may have regarding CLAST.

CLAST Waiver Petitions for Students with Disabilities

Students with disabilities may request reasonable accommodations while taking the CLAST. Those who are unable to pass a subtest of the CLAST due to a disability can request that a subtest be waived. The student must be registered with the Student Disability Services Office (SRC 132) and have on file documentation of his or her disability. Contact the Student Academic Resource Center (PH 115) to complete a petition to waive a CLAST subtest. The CLAST Waiver Committee reviews all requests for waivers on a case-by-case basis. For disability registration information, contact Student Disability Services at 407-823-2371. For CLAST waiver petition information and forms, visit http://flyt.sdes.ucf.edu.

Summer Attendance Requirement

A student entering the State University System with fewer than 60
Undergraduate Degree Requirements

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

Admission to the Upper Division

To be classified as an upper division student at the University of Central Florida, a student must complete the following:
1. A minimum of 60 semester hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. Passing scores on three of the four parts of the CLAST; and,
4. One year of college instruction in a single foreign language.
(This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline

Students planning to graduate in the next term must complete the “Intent to Graduate Form” in their college (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://graduation.ucf.edu.

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

Grad On Track (GOT)

First Year Advisor: Stephen O'Connell; PH 116; 407-823-3789; got@mail.ucf.edu; http://gradontrack.sdes.ucf.edu/

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

Correspondence Courses

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

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

The current catalog details enrollment procedures, fees, and course information. A copy may be obtained at no cost by calling or writing to: University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711, Ext 200; e-mail: learn@nervm.herdc.ufl.edu. Website: http://www.doce.ufl.edu.

Double Majors

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

Double Degrees/Second Baccalaureate Degree

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

Transfer graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement for that degree. Students holding the baccalaureate degree from regionally accredited U.S. institutions are considered to have completed CLAST, Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements. The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 semester hours for a second degree or more than 30 semester hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.

Catalog Year Requirements for Double Degrees and Double Majors

Students earning two degrees may use different catalog years for each degree. Students earning a double major must use the same catalog year for both majors.

Dual Usage of Credit Hours

Courses used to meet the requirements of an undergraduate degree typically cannot also be used to meet the requirements of a graduate program. At the discretion of the program and college, graduate programs are permitted to accept up to nine hours of graduate course work taken at UCF while an undergraduate student as part of an undergraduate program of study. Departments can provide information regarding the 3+2 degree programs and the Senior Scholars Program. See the Graduate Catalog for further information.
Registration Policies
During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term/session). Spring Registration begins following midterm for the Fall Semester. Summer and Fall Registrations begin following the midterm of the Spring Semester. Class listings are available only online through the myUCF Class Schedule Search at https://my.ucf.edu.

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

Schedule Web Guide

Terms and Credit Hours
The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of semesters (Fall and Spring), and the Summer term. The department chair and college advising office must approve overload 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 semesters (Fall and Spring), and the Summer term. The department chair and college advising office must approve overload hours.

Undergraduate Enrollment Status

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

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

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

Excess Hours
All students should make every effort to enroll in and complete only those courses that are required for their major. Although educationally beneficial, selected courses, minors, (unless required for a specific major) or credit hour requirements 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 programs. 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. To obtain an immediate release for financial holds, payment to the Cashier's Office must be made either in cash, credit card, cashier's check, or money order.

Add/Drop Policy
Add/Drop is the period following their initial registration when students may make class schedule adjustments (as listed in the "Academic Calendar"). Add/Drop may be done using the myUCF system (https://my.ucf.edu) and in the college advising offices. After the Add/Drop period, no course may be added. Courses meeting for the first time after the end of Add/Drop may be dropped the next business day in the Registrar's Office, MH 161. For withdrawal after the Add/Drop period, refer to the "Withdrawal Policy" of this Undergraduate Catalog.

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

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 "Student Health History," the "Senior Citizen Audit Application" and "Senior Citizen Audit Registration Form" These forms are available in the Registrar's Office (MH 161) or at the Registrar's web site: http://registrar.ucf.edu. It is necessary to complete the required forms during the last hours of registration as noted in the "Academic Calendar" online at http://www.ufc.edu/info/acad_calendar.php. Direct student expenses after the completion of registration include the campus ID card, vehicle registration and textbooks.

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

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

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.ucf.edu/info/acad_calendar.php. For waiver eligibility and application information, see "Tuition Waivers" within the "Financial Information" chapter of this Undergraduate catalog.

State University System (SUS) Florida Transient Students
An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and desires to take courses with UCF. Students must complete the "SUS Transient Application Form" which is available at all SUS institutions and at http://www.facts.org. No application fee is required. The "SUS Transient Application Form" must be completed each term and should be mailed or delivered to the Registrar's Office (MH 161), by the application deadline noted in the "Academic Calendar" online at http://www.ufc.edu/toptlinks. Students should visit the Registrar's Office at http://registrar.ucf.edu or contact the Registrar's Office for registration information at 407-823-3100.
Withdrawal and Academic Behavior Violations

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

Grade System

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

<table>
<thead>
<tr>
<th>Grade Letters</th>
<th>Grade Points</th>
<th>Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
<td></td>
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<tr>
<td>B+</td>
<td>3.25</td>
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<td>B</td>
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<td>D+</td>
<td>1.25</td>
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<tr>
<td>D</td>
<td>1.00</td>
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</tr>
<tr>
<td>F</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>NC - No Credit</td>
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* Available only in CHM 1032, CHM 2045C, CHS 1440, ENC 1101, ENC 1102, MAC 1105H, MAC 1105, MAC 1114, MAC 2147, MAC 2233, MAC 2241, MAC 2253, MAC 2281, MAC 2281H, MAC 2311, MAC 2311H, and STA 2014C. In these classes NC replaces the use of D+, D and D-. Students who seek late withdrawal because they are ill must apply for the withdrawal within six months of the term from which the withdrawal is sought. Students seeking a late withdrawal because of medical conditions must follow the medical withdrawal procedure. The student's physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services. A medical withdrawal must be for all classes in the term. If a medical withdrawal is approved, a "WM" will be recorded for each course. Students who receive a medical withdrawal may be placed on hold until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediately following semester, but will use that time to address the medical condition that necessitated the withdrawal. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of "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 Late Registration and Add/Drop each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional and beyond their control may apply for a cancellation of enrollment and an elimination of fee liability. Exceptional circumstances include, but are not limited to sickness, death, involuntary call to military service, or administrative errors created by the University. Students must submit a petition and all supporting documentation for a Late Drop of courses to Academic Services (MH 210; 407-523-2891) within six months of the end of the term for which the Late Drop is sought.

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

Grades Semester Hour of Credit

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

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

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

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

Total: 46 total grade points

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

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

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

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

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

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

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

Attendance, Absences, or Unsatisfactory Work
Under University policy, students are not authorized to attend 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 when possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (SRC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (SRC 155; 407-823-2851) or for athletic events only, Academic Services for Student-Athletes, Saber Center 123B; 407-823-3761.

Absences from classes for court-imposed legal obligations (e.g., jury duty and 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 (SRC 155) for disciplinary action.

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

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

Religious Observances
It is the policy of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith will notify all of his/her instructors and be excused from classes to observe the
Academic Regulations and Procedures

religious holy day.

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

Students who are absent from academic or social activities because of religious observances will not be penalized. A student who believes that he/she has been unreasonably denied an educational benefit due to his/her religious belief or practices may seek redress in accordance with Rule 6C7-5.0031, Student Grievance Procedure, as listed in The Golden Rule.

Student Classifications

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

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

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

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

Other Student Classifications:

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

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

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

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

Transient:
Students temporarily registered (for one semester) at UCF with the approval of another university or college where they are regularly enrolled, or a UCF student temporarily in attendance at another university or college, with the approval of UCF. A UCF student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the A.A. degree is to be awarded.

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

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

Academic Honors

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

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

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

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

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

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

Grade Forgiveness
Grade Forgiveness offers a student the opportunity to retake a course and earn a higher grade that will be substituted for the previous lower grade and thus raise the GPA. “Grade Forgiveness Request Forms” are available in the Registrar’s Office (MH 161) or on the Registrar’s website, http://registrar.ucf.edu. Requests must be submitted no later than the last day of Late Registration and Add/Drop for the term/session in which the student has registered for the course being repeated. The following policies apply:

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with a “T” to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an “R.” The original grade always will appear on the transcript but only the repeated course grade will be calculated into the GPA;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an “I” 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 specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;

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

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

11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in pre-fix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF.

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

Academic Standing

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

Academic Probation

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

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

Disqualified (First Suspension)

A student on Academic Probation is disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is disqualified may not enroll at the University for two semesters following disqualification. Readmission after two semesters is not automatic. Disqualified students are normally expected to complete the Florida AA degree before petitioning for readmission. A disqualified student must submit an application for readmission supported by a letter documenting the reasons for previous academic difficulties, clear evidence of satisfactory academic performance since leaving the university and plans for achieving a GPA of 2.0 or better. The total record will be reviewed and action on readmission will be taken by the University Registrar. Any Disqualified student whose UCF grade point deficiency is equal to or greater than 15 grade points is not eligible for readmission. For readmission purposes, only “grade point deficiency” is defined as the number of UCF credit hours earned with a “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 (unless in the opinion of the Admissions and Standards Committee there is documented extenuating circumstances).

Good Standing

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

Earning Credit While Disqualified or Excluded

A student disqualified or excluded while a freshman or sophomore who subsequently receive an A.A. degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida public community college has the right to appeal for readmission, in accordance with standard University policies. However, readmission is not guaranteed, and the student seeking readmission must comply with 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 baccalaureate's degree.

The application deadline for readmission is as follows: for Summer, April 15; for Fall, July 15; and for Spring, November 15.

Readmission Following Non-Enrollment for Two Consecutive Semesters

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

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

Any readmitted student whose UCF GPA is less than 2.0 at the time of the last enrollment at the University will be readmitted on "Academic Probation." All applicants seeking readmission who have attempted course work at another regionally accredited institution since last attending the University will be required to be in "Good Standing" (minimum 2.0 GPA) at the last institution attended with no allowance for grade forgiveness and must be eligible to return to the last institution attended.

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

A student who has been academically disqualified by UCF (with a grade point deficiency less than 15 grade points) who has completed the two semester academic suspension period may petition for readmission by submitting the "Readmission Application Form” to the Registrar’s Office. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0. A student's grade point deficiency is calculated when the student applies for readmission. The petitioning student must satisfy the following requirements before a decision will be made:

1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
A “Readmission Application Form” not accompanied by the required written statement will not be reviewed;
2. Contact the major’s department/school/college to establish a plan to complete the program of study. The student must obtain the department/school/ college’s favorable recommendation of this plan in writing; and,
3. Submit to the Registrar’s Office official transcripts from all other schools attended during suspension (if applicable).

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

**Readmission Prior to Completion of the Required Suspension**

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

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

Students who are disqualified (with a grade point deficiency of 15 grade points or more) or who have been excluded are not eligible for readmission to the University. The Registrar’s Office will deny readmission to ineligible students. A student denied readmission by the Registrar’s Office may appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

**Dropping or Withdrawing During Readmitted Term**

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

**Limitations on the Number of Readmission Appeals**

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

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

**Non-Academic Admission Clearances**

According to the Florida Board of Regents Rule 6C-6.001(2) “…if determined not to be in the best interest of the University to admit an applicant because of past misconduct the University may do so.” This authorizes universities to refuse readmission to applicants due to past misconduct. The University further requires the Vice President of Student Development and Enrollment Services or his or 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 the 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.

**Right of Appeal**

A student who is ineligible for readmission or has been denied readmission may appeal for an exception to University policy to the Admission and Standards Committee. The appealing student must meet the following requirements before the Registrar’s Office will forward the appeal to the Committee:

1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that lead to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification number (PID).
   A “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($5 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
6. Submit ten stapled packets of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
   a. A completed “Application for Readmission as an Exception to University Policy Form”;
   b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;
   c. Any supporting documentation as directed by the college, school or other University personnel;
   d. Any additional supporting documentation (optional); and,
Academic Regulations and Procedures

Address and E-Mail Changes

The student’s address is obtained from the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate changes to the address as they occur. Address and e-mail changes can be made on myUCF (https://my.ucf.edu). Address and e-mail changes also can be made by writing the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax to 407-848-5022. Written requests must be signed and the student identification number provided.

Transcript Requests

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

A $5 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by cash, check or money order (made payable to UCF), credit card, or UCF Card. Requests received by mail must be accompanied by check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. For fax request information and payment procedures, refer to http://registrar.ucf.edu or call 407-823-3100. Transcripts may be sent electronically to other Florida public institutions. Transcripts not claimed with 30 days of printing will be discarded and must be reordered. A $5.00 per reordered transcript fee must be submitted with the reorder request. Grades are available from myUCF at https://my.ucf.edu.

Third Attempt Course Repeat Surcharges

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

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

Extenuating Circumstances

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

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

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

Financial Hardship

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

1) Qualification for federal need-based financial aid; or
2) Other documented financial hardship may be
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 (including the Rosen College of Hospitality Management) must adopt the most current catalog. Students changing from a declared major to an "Undeclared" or "Unecided" major also must adopt the most current catalog. For each of these students, the University automatically will update the catalog year when processing the change in major. Students may retain their catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a "Pending" category to the equivalent major (e.g., "Business Pending" to "Accounting"). If the new major is a different subject from the "pending" major (e.g., "Business Pending" to "History"), the student must adopt the most current catalog and the University automatically will update the catalog year when processing the change in major. If they have not interrupted residency, students entering UCF in an "Undeclared" or "Undecided" category may retain their catalog when initially selecting a major. The "Undergraduate Major Change Form" is available at the college and school advising offices of from the Registrar’s Office website at http://registrar.ucf.edu. Forms may be submitted in person to the 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.

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

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

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

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

2. The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading. The student may ask the University to amend the record for inaccurate or misleading information. If the University determines that the information is inaccurate or misleading, the University will amend the information as requested by the student;

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, 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
- e-mail address
- date of birth
- major field of study
- dates of attendance
Higher Education Act

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

Academic Regulations and Procedures

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 2000 to 2200) of 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits XXX 2220 and 2231 or XXX 2200 and 2201) of 2000-level language. No literature credit will be awarded for AP foreign language exams.

Advanced Placement Literature (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits) of introductory literature. A score of 5 earns a minimum of two semesters (min. 6 credits) of introductory literature.

Advanced Placement Latin

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

AP Latin: Vergil LNW 3660
AP Latin: Latin Literature LNW 3660

International Baccalaureate Program (see table on following page)

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

International Baccalaureate (all modern languages)

International Baccalaureate offers examinations in many languages and literatures at different levels: B, A2, and A1. Most students in

ACADEMIC PLACEMENT EXAMS

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<th>GEP Usage</th>
<th>Score of 4</th>
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<td>ENC 1101 and 1102</td>
<td>Same as 4</td>
<td>Same as 4</td>
<td>COM Found 1 &amp;2</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>ISC 1051</td>
<td>SCI Found 2</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>European History</td>
<td>EUH 1009</td>
<td>EUH 2000 and 2001</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>CUL &amp; HIS Found 1</td>
</tr>
<tr>
<td>Government and Politics: Comparative</td>
<td>CPO 1002</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Government and Politics: United States</td>
<td>POS 2041</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Human Geography</td>
<td>GEO 1400</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Music Theory</td>
<td>MUT 1001 if composite score is 3 or higher</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics B</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics C: Electricity / Magnetism</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Statistics</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>No direct equivalent</td>
<td>No direct equivalent</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>No direct equivalent</td>
<td>No direct equivalent</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Studio Art: 3-D Design Portfolio</td>
<td>No direct equivalent</td>
<td>No direct equivalent</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>United States History</td>
<td>AMH 1000</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>CUL &amp; HIS Found 1</td>
</tr>
<tr>
<td>World History</td>
<td>WOH 2022</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>CUL &amp; HIS Found 1</td>
</tr>
</tbody>
</table>

For updated information please visit http://www.registrar.ucf.edu/testcredit.html.
Academic Regulations and Procedures

Florida takes English as their A1 level language (literature for native or near-native speakers) and one or more foreign Language B exams. Within each category, there are "standard" and "higher" level examinations. Institutions may wish to award additional credit for higher-level exams.

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

**International Baccalaureate**

<table>
<thead>
<tr>
<th>Exam</th>
<th>4 (Diploma holders only)</th>
<th>GEP Usage</th>
<th>5 (Higher-Level only for non-diploma holders: either Standard or Higher Level for diploma holders)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020/1002L</td>
<td>SCI Found 1</td>
<td>CHM 1020/1002L and CHM 2045C</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1079 (6 Credits) ETI 1410 (6 Credits)</td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td>SCI Found 2</td>
<td>ECO 2013 and ECO 2023</td>
</tr>
<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>ENC 1102 and ENC 1102</td>
</tr>
<tr>
<td>Environmental Systems</td>
<td>SCI 1150</td>
<td>SCI Found 2</td>
<td>SCI 1150 (6 credits) MHR 1202 and MHR 1209</td>
</tr>
<tr>
<td>Further Mathematics</td>
<td>MHR 1202</td>
<td>SCI Found 2</td>
<td></td>
</tr>
</tbody>
</table>

**Advanced Mathematics**

<table>
<thead>
<tr>
<th>Exam</th>
<th>4 (Diploma holders only)</th>
<th>GEP Usage</th>
<th>5 (Higher-Level only for non-diploma holders: either Standard or Higher Level for diploma holders)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography</td>
<td>UGA 1000</td>
<td>SCI Found 2</td>
<td>GEO 1200 and GEO 1400</td>
</tr>
<tr>
<td>History</td>
<td>UOH 1030</td>
<td>CUL &amp; HIS Found 1</td>
<td>UOH 1030 and UOH 1099</td>
</tr>
<tr>
<td>Math Methods</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>MAC 1105 and MAC 1140</td>
</tr>
<tr>
<td>Math Studies</td>
<td>MAC 1103</td>
<td>SCI Found 2</td>
<td>MAT 1140 and MGF 1106</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MAC 1127</td>
<td>MAT Found 1</td>
<td>MAT 1147 and MAC 2233</td>
</tr>
<tr>
<td>Music</td>
<td>MUL 1010</td>
<td>CUL &amp; HIS Found 2</td>
<td>MUL 1030 and HUM 1999</td>
</tr>
<tr>
<td>Philosophy</td>
<td>PPH 1999</td>
<td>SCI Found 2</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics</td>
<td>PPH 1020C</td>
<td>SCI Found 1</td>
<td>PPH 1020C and PPH 1009</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSY 1924</td>
<td>SCI Found 2</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Social Anthropology*</td>
<td>ANT 2410</td>
<td>CUL &amp; HIS Found 2</td>
<td>PHY 2032C and PHY 2054C</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>THE 2000</td>
<td>CUL &amp; HIS Found 2</td>
<td></td>
</tr>
<tr>
<td>Visual Arts</td>
<td>ARH 1999</td>
<td>CUL &amp; HIS Found 2</td>
<td>ARH 1999 and HUM 1999</td>
</tr>
</tbody>
</table>

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

**College Level Examination Program (CLEP)**

<table>
<thead>
<tr>
<th>&quot;C&quot;-level pass.</th>
<th>GEP Usage</th>
<th>&quot;B&quot;-level Pass</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting, Principles of</td>
<td>ACG 1001</td>
<td>MAT Found 1</td>
<td>Same as &quot;C&quot;</td>
</tr>
<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>American Government</td>
<td>POS 2041</td>
<td>SOC Found 1</td>
<td>Same as &quot;C&quot;</td>
</tr>
<tr>
<td>American Literature</td>
<td>AML 1000</td>
<td>CUL &amp; HIS Found 2</td>
<td>AML 2010 and AML 2020</td>
</tr>
<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Calculus with Elementary Functions</td>
<td>MAC 2233</td>
<td>MAT Found 1</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Chemistry, General</td>
<td>CHM 1102</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
<td>Same as &quot;C&quot;</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>English Composition with Essay</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>English Literature</td>
<td>ENL 1000</td>
<td>CUL &amp; HIS Found 2</td>
<td>ENL 2012 and ENL 2022</td>
</tr>
<tr>
<td>History of the United States I: Early Colonizations to 1877</td>
<td>-</td>
<td>-</td>
<td>AMH 2010 and AMH 2020</td>
</tr>
<tr>
<td>History of the United States II: 1865 to Present</td>
<td>-</td>
<td>-</td>
<td>AMH 2010 and AMH 2020</td>
</tr>
<tr>
<td>Human Growth and Development</td>
<td>-</td>
<td>-</td>
<td>DEP 2004</td>
</tr>
<tr>
<td>Information Systems and Computer Applications</td>
<td>CGS 1077</td>
<td>MAT Found 2</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Macroeconomics, Principles of Management, Principles of</td>
<td>MAN 2021</td>
<td>Same as &quot;C&quot;</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Marketing, Principles of</td>
<td>MAR 1011</td>
<td>Same as &quot;C&quot;</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Mathematics, College</td>
<td>MGF 1107</td>
<td>MAT Found 1</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Microeconomics, Principles of</td>
<td>MGF 1104</td>
<td>Same as &quot;C&quot;</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology, Introductory</td>
<td>-</td>
<td>-</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Sociology, Introductory</td>
<td>SYG 1000</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
<td>MAT Found 1</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>-</td>
<td>-</td>
<td>EUH 2000 and EUH 2001</td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>-</td>
<td>-</td>
<td>EUH 2001 and EUH 2001</td>
</tr>
</tbody>
</table>
CLEP Language Examinations

A score of 50 on any of the language exams earns a minimum of one semester (3 credits) of Elementary Language 1 or equivalent level (generally numbered 1120). A score of 50 or above the second CLEP threshold level (currently 52 for French, 63 for German, or 54 for Spanish) earns a minimum of two semesters (6 credits) of Elementary Language I and II or equivalent level (generally numbered 1120-1121). 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 semester 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.

Cambridge AICE Exams

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.

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

<table>
<thead>
<tr>
<th>Exam Credit</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Math</td>
<td>QMB 1001</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>EDF 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>GEB 1011</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
<td>C</td>
</tr>
<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
<td>B</td>
</tr>
<tr>
<td>Principles of Statistics</td>
<td>STA 1014</td>
<td>MAT Found 2</td>
<td>C</td>
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</table>

EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing grade for credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>English Composition</td>
<td>ENC 1101 for C</td>
<td>COM Found 1</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>ENC 1101/ 1102 for B</td>
<td>COM Found 1</td>
<td>B</td>
</tr>
<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td>B</td>
<td></td>
</tr>
</tbody>
</table>
International Studies and Programs
Interim Assistant Vice President of International and Interdisciplinary Studies: Dr. Diane Z. Chase
Associate Director: Angel Cardes
407-882-2300; Fax: 407-275-4386; Research Pavilion, Suite 395, P.O. Box 163105, Orlando, FL 32816-3105; http://www.international.ucf.edu.

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

The OIS mission is to promote, support, facilitate, advocate, and implement international activities that lead to the internationalization of education and research at UCF. This is accomplished through: faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

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

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

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

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

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

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

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of short term programs that UCF has offered in the past include the Department of Foreign Languages’ intensive programs in France, Japan, Germany, Spain and Italy; Social Work Department programs in South Africa and Russia; Criminal Justice in Barbados and Russia; Nursing in Sweden; Education in the Netherlands, Hospitality in France, and Art in Scotland.

Student Exchanges provide the opportunity to become a student at a university abroad for one semester or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Some of the exchanges that have been offered at UCF are Qingdao University in China; Université de Angers and Paul Sabatier in France; Meikai University in Japan; University of Lima in Peru; the universities of Lund, Jonkoping, Mallbacken, and Dalarna in Sweden; and University College Northampton in the United Kingdom.

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

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

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

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

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

- Co-op opportunities are available to students on all campuses in all Colleges. They are always major-related, paid, and multiple semesters with progressively responsible duties. They are either part-time around class schedules or full-time alternating semesters, structured for learning with reflection and evaluation, designated on transcripts, and available for credit when it will count in a student’s academic program.

- Internships provide similar benefits to co-op experiences. They are usually one-semester, paid or unpaid, for credit, and occur toward the end of a student's program of study. They are available through the Experiential Learning department or through departments in Colleges. Contact information for department internship coordinators is on the Experiential Learning website.

- Service-Learning is a means of incorporating experiential learning into academic courses so that students learn course content through a service experience. Through this process, students gain an appreciation for civic engagement while using course content in a real-world environment. Courses using this approach are designated with SL in course listings so that students can select to participate in this type of learning experience.

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

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

Off-Campus College Credit Programs
Director: Myrna Creasman; University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0244; Website: www.ce.ucf.edu

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

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

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

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

Institutes and Centers for Research
Center for Applied Human Factors in Aviation (CAHFA)
Director and Chief Scientist: Jefferson M. Koonce; 407-823-1011; Fax: 407-823-5862

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

Center for Economic Education
Director: Robert L. Pennington; BA2 303E; 407-823-2640

The Center for Economic Education strives to increase public knowledge of economic principles and their applications in daily life. Researchers at the Center develop, collect, and distribute economic educational materials. They also consult with and provide instruction to area schools (K-12), community colleges, and community organizations. Instruction focuses on the principles of economics and their use in making rational economic decisions. Affiliated with the National Council on Economic Education, the Center also conducts research in economic education.

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam; 407-823-6202

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

The Institute’s research includes the collection, development, and dissemination of information relevant to the tourism and hospitality industries and the areas of marketing, consumer behavior, and visitor satisfaction, feasibility, economic, motivation, and forecasting. Some of the Institute’s patrons include tourism promotion agencies at the state and local levels; tourism development commissions; professional associations; and private enterprises such as attractions, hotels, motels, food-service establishments, ground and air transportation companies, travel agencies and tour operators, and other related businesses. The Institute devotes significant efforts to educating the public about the tourism industry in Florida and internationally, and about its contribution to the social and economic welfare of the community at large.

Executive Development Center
Director: Dr. Jai Ganesh; 407-823-2446

The University of Central Florida College of Business Administration is proud to serve as a partner in executive education to the local, state, national, and international business communities. The Executive Development Center was established to provide leading executive education programs to both individuals and organizations. The Center helps professionals from all industries become more dynamic leaders, more effective managers, and more valuable team members. Corporations benefit from participating in executive education programs by developing more productive and resourceful workforces that can meet the challenges of today’s changing marketplace.
and tomorrow’s opportunities. The Center serves as a valuable resource in executive training and development by offering programs that address critical issues for managers and business leaders. These programs are offered in a variety of formats suitable for any individual or corporation through: 

- Executive MBA Program; 
- Professional MBA Program; 
- Customized corporate programs; 
- Conference services; 
- Public enrollment programs; 
- International seminars and exchange programs;

The UCF Executive Development Center has a strong commitment to the business community. Both small and large organizations find our programs to be contemporary, challenging, and effective.

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

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

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

The Florida Eastern European Linkage Institute is statewide and is designed to create and foster educational, commercial, cultural and social exchanges between the countries in central and eastern Europe and the State of Florida. The Institute, funded and administered through the Office of Academic Affairs and located in the College of Health and Public Affairs on the main campus, promotes the development of linkage through expanded public/private dialogue on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and east European countries to study in Florida state universities and community colleges for the same tuition fees as Florida residents. The awards are limited to 25 FTE and are competitive.

The John Scott Dailey Florida Institute of Government at the University of Central Florida
Director: Marilyn Crotoy; 407-317-7745, Fax 407-317-7750

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

Florida Solar Energy Center (FSEC)
Director: James Fenton; 1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1007; Fax: 321-638-1010

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

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

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

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

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

Institute for Simulation and Training (IST)
Director: Randall Shumaker; 3280 Progress Drive, Orlando, FL 32826-0544; 407-882-1300; Fax: 407-658-5059; E-mail: shumaker@ist.ucf.edu; Website: http://www.ist.ucf.edu

The Institute for Simulation and Training (IST) was established to conduct research and develop technology that advances the state of the art in affordable and effective simulation capabilities and training systems. Driven by a proven record of research achievement, IST has developed unique qualifications and is positioned to provide the enabling technologies and technical talent necessary for future simulation development. In April 1965 a State of Florida resolution recognized the institute as part of the Center of Excellence for Simulation and Training.

IST is located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to the Army Program Executive Office for Simulation, Training and Instrumentation (PEO STRI), Naval Air Training Systems Division (NAVAIR TSD), and Air Force Agency for Modeling and Simulation (AFAMS). The institute is one of an estimated 150 public and private entities specializing in simulation and training and located along the high tech corridor traversing the state from Tampa to Daytona Beach, the largest concentration of this expertise in the world.

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

- Multi-resolution simulation
- Virtual environments
- Computer generated forces
- Mathematical foundations
- Application development
- Information technology
- Human factors/Team training
- Training and education
- Media convergence
- Embedded simulation
- Parallel computing

Laboratories, work space, and administrative offices occupy nearly 38,000 square feet of floor space in IST’s research park building. Another 26,000 square feet of office and laboratory space is shared with the US Army. Simulation-based emergency management training is conducted at the institute’s training building near Orange and
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, and 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 launch pad to a career in the simulation industry.

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 and the University of South Florida, and with considerable participation from area corporations, IST researchers are helping to promote economic growth in the modeling and simulation industry along central Florida's high tech corridor.

Institute of Statistics and Data Mining

Director: Dr. Nizam Uddin; 407-823-2289.

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 statistical hypotheses, 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://www.cas.ucf.edu/statistics/consulting/institute.htm. The Institute offers one free consulting session to Ph.D. graduate students. The consulting service is available to faculty members working on funded projects for a modest fee. Associate Professor Nizam Uddin (nuddin@mail.ucf.edu) 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: Karla Saari Kitalong; CNH 307E; 407-823-6257.

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 91 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.

Throughout the Oak Ridge Institute for Science and Education (ORISE), the DOE facility ORAU operates, undergraduates, graduates, postgraduates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in a number of programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean science, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are specially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering related disciplines, and details on locations benefits can be found at http://www.orau.gov/orise/edu.htm.

ORAU's Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU's members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research and support programs as well as services to chief research officers.

Small Business Development Center (SBDC)

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

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

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

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

Small Business Institute

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

Business schools have for many years been interested in getting students out of the classroom and involved with real business problems rather than "textbook" situations. By sponsoring the Small Business Institute program, the University of Central Florida does not only satisfy this need, but at the same time provides free professional help to small businesses in need of managerial guidance. The SBI program uses a team of senior-level undergraduate or graduate students who, under faculty supervision, provide management counseling and technical assistance to small business clients. Examples of these services are: general management audits, development of business plans, establishment of accounting systems, design of inventory systems, cost analysis, pricing strategies, and evaluation of alternative markets.

The major objective of the College of Business Administration at the University of Central Florida is to educate men and women for positions of productive responsibility in business and the professions. UCF's Small Business Institute program stresses analytic ability and the student's learning skills in recognizing and coping with change. The Small Business Institute program at the same time provides on-the-job experience and sound academic training for the student.
Associate of Arts Degree

University of Central Florida students who satisfactorily complete 60 semester hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 semester hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement and passed the College Level Academic Skills Test.

The Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210 and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

Baccalaureate Degrees

The University offers the degrees of Bachelor of Arts, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, and Bachelor of Science in Social Sciences. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

Burnett College of Biomedical Sciences
Bachelor of Science (B.S.)
Majors: Molecular Biology and Microbiology, Medical Laboratory Sciences

College of Arts and Humanities
Bachelor of Arts (B.A.)
Majors: Art, Digital Media, English, Film, Modern Languages Combination, French, History, Humanities, Music, Philosophy, Religious Studies, Spanish, Theatre

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

Bachelor of Music Performance (B.M.)
Bachelor of Music Education (B.M.E.)
Bachelor of Science (B.S.)
Majors: Digital Media, Photography

College of Business Administration
Bachelor of Science in Business Administration (B.S.B.A.)
Majors: Accounting, Economics, Finance, General Business Administration, Management, Management Information Systems, Marketing

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

College of Education
Bachelor of Science (B.S.)

College of Engineering and Computer Science
Bachelor of Science

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

Bachelor of Science (B.S.)
Majors: Cardiopulmonary Sciences, Communication Sciences and Disorders, Criminal Justice, Health Information Management, Health Sciences-Athletic Training, Health Sciences-Pre-Clinical Allied Health Track, Health Services Administration, Legal Studies, Public Administration, Radiologic Sciences

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

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

College of Sciences
Bachelor of Arts (B.A.)
Majors: Advertising/Public Relations, Anthropology, Interpersonal/Organizational Communication, Journalism, Political Science, Psychology, Radio-Television, Sociology

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

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

Office of Undergraduate Studies
Bachelor of Arts (B.A.)
Major: Liberal Studies
Bachelor of Science (B.S.)
Major: Liberal Studies, Social Sciences
### Academic Minors by College

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

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

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

### Office of Undergraduate Studies

**Enrollment Studies Minor**
**Social Sciences Interdisciplinary Minor**
**World Comparative Studies Minor**

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

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

### Graduate Programs

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

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

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

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

Programs and Degrees

Program                                      Degree
Molecular Biology and Microbiology           B.S., M.S., Minor
Medical Laboratory Sciences                  B.S.
Biomolecular Science                          Ph.D.

Department of Molecular Biology and Microbiology

Chair: P.E. Kolattukudy; BMS 136; 407-823-1312
Assistant Chair: Roseann White; HPA II 335J; 407-823-2914
Undergraduate Coordinator: Dorilyn Hitchcock; HPA II 335A; 407-823-5932
Graduate Coordinator: Karl Chai; BMS 323; 407-823-6122
Faculty: K. Chai; D. Chakrabarti; R. Chakrabarti; S. Chan; J. Cheng; A. Cole; H. Daniell; S. Ebert; C. Fernandez-Valle; R. Gennaro; D.
COLLEGES

The Burnett College of Biomedical Sciences

Hitchcock; K. Ireton; A. Khaled; P. Kolattukudy; G. Lopez; W. Lopez-Ojeda; Y. Lu; F. Morgan; M. Muller; S. Naser; W. Safranek; M. Samsam; W. Self; K. Sugaya; S. Tutulian; K. Teter; J. Turkson; R. White; A. Zervos.

The Department of Molecular Biology and Microbiology offers a Bachelor of Science degree, a Master of Science degree and a Minor in Molecular Biology and Microbiology. The department also offers a Bachelor of Science degree in Medical Laboratory Sciences. The Molecular Biology and Microbiology programs prepare students for entry into any professional schools in health sciences, such as medicine, veterinary medicine, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. The programs also prepare students entering the technical workforce in biotechnology, pharmaceutical and/or any other medical technology industry. The department is a major partner in the interdisciplinary PhD program in Biomolecular Science.

Program in Molecular Biology and Microbiology

The Core Curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The restricted elective component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the mechanism of directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary medicine, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

Degrees:
Molecular Biology and Microbiology (BS, MS)

Tracks:
Molecular Biology and Microbiology Preprofessional Track (BS)

Minors:
Molecular Biology and Microbiology

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

Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include FL residency, unweighted high school GPA of 3.7 and SAT score of 1300 or ACT score of 29. More information about the admission process can be found at and in the catalog under: Burnett Honors College: UCF/USF Accelerated Medical School Program.

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

Program in Medical Laboratory Sciences

Director: Dorell Hitchcock; HPA II 335A; 407-823-5932

Medical technologists may be involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of body tissues and fluids.

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

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

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

Degrees:
Medical Laboratory Sciences (BS)

Tracks:
None

Minors:
None

Office of Student Services and Advisement (OSSA)

Academic Advisor: Cynthia Maria Contreras; HPA II 335H; 407-823-5787
Academic Advisor: Ana Maria Schwindt; HPA II 335G; 407-823-1259
E-mail: bcsinfo@mail.ucf.edu

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

Biomolecular Science Center

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

The mission of this university-wide interdisciplinary academic Center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” Center research is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease.

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

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

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

The Pre-health Professions Advisement Office

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

The Pre-Health Professions Advisement Office serves students university-wide in preparing for and seeking admission to professional health science schools, such as medicine, veterinary medicine, 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.
The Burnett Honors College

Dean: Alvin Wang; The Burnett Honors College; 407-823-2076, Fax 407-823-6583
Director of Research and Civic Engagement: Kelly Astro
Director of Student Services: Madi Dogariu
Director of Computer Operations: Andrew Holloway
Director of Student Affairs: Jill Norburn
Director of Administrative Services: Donna Plaisted
Director of Student Development: Lisa Sklar
Director of Advising: Peter Wallace
http://www.honors.ucf.edu

Committed to diversity in both the composition of its student body and the programs that it supports, The Burnett Honors College (TBHC) at UCF provides a challenging and exciting educational experience to academically talented students.

TBHC combines the atmosphere of a small college with the intellectual stimulation of a large metropolitan research university. Honors students receive an education that prepares them to enter the best graduate and professional schools as well as pursuing distinguished careers.

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

Students in TBHC are actively involved in social activities and course programming. They also have priority registration privileges and access to the Honors Reading Room, computer lab, and Honors housing.

Students may pursue Honors through two distinct programs, University Honors and Honors in the Major.
University Honors

Admission to University Honors is granted by TBHC to qualified incoming freshmen. Students who seek admission to University Honors must apply directly to TBHC. It is the student's responsibility to obtain the appropriate Honors College admissions information from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their parents are encouraged to contact Honors staff if they have questions.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors the student must: 1) complete 12 hours of Honors lower-division course work1; 2) complete with a "Satisfactory" (S) grade Honors Symposium2; and 3) meet upper-division Honors course requirements determined by college or major3.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida community college that has signed an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services.

Students may receive a waiver of credit for one upper-division Honors Seminar4 upon completion of six or more hours of upper-division credit for the following programs: 1) University Study Abroad Program; 2) The Washington Center; and 3) Research Experiences for Undergraduates (REU) program. Students may receive a waiver of credit for one upper-division Honors Seminar4 upon satisfactory completion of a graduate level course while taken as an undergraduate student. Students may only receive a waiver of credit once for each category listed.

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed “Intent to Graduate with University Honors” form with TBHC and 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</th>
<th>Major</th>
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</thead>
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<tr>
<td>1 hour</td>
<td>12 hours</td>
<td>See requirements by College3</td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

The current requirements are as follows:

**University Honors Upper-Division Program Requirements: College of Arts and Humanities**, **College of Education**, **College of Sciences**, **Rosen College of Hospitality Management**, and **Medical Laboratories Sciences, Engineering Technology, and Information Technology majors**

1. Complete one Honors Interdisciplinary Seminar4 (3 hrs)
2. Complete two Honors upper-division courses, Seminars, or Interdisciplinary Seminars4 (6 hrs)

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

1. Complete one Honors Interdisciplinary Seminar4 (3 hrs)
2. Complete two Honors upper-division Business courses (6 hrs)

**University Honors Upper-Division Program Requirements: Burnett Honors College and are interested in attending medical school have an opportunity to receive guaranteed admission to University of South Florida’s College of Medicine and complete a medical degree in seven years (3+4). Students must apply for the program prior to their first semester at UCF. The first three years of study will be completed at UCF and the fourth year will be done in residence at USF as part of the first year of medical school, provided that students continue to meet all the program requirements. UCF will confer a Bachelor’s Degree following successful completion of the fourth year of study. USF will confer the Doctor of Medicine Degree at the successful completion of the program. Students may elect to complete a fourth year at UCF, following the more traditional pattern of four years of undergraduate coursework prior to receiving the Baccalaureate Degree, and then enter the USF College of Medicine. Students selecting this option (4+4) must complete the same requirements as the accelerated (3+4) program, but also have the opportunity to take more advanced coursework and**
become involved in additional research activities. Students may elect to decelerate at any point prior to October 31 of the third year.

Transfer students are not eligible for this program.

Students applying for this accelerated program must select a major in one of the following fields in order to receive a Baccalaureate Degree from UCF:

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

The Burnett Honors College will provide oversight of the student’s progress in meeting Honors requirements and will coordinate overall completion of the first three years of the program. Students will receive advisement and schedule planning assistance each semester from a department advisor and the Pre-professional advisor.

Students attending the USF Medical School during their fourth year of matriculation (3 + 4 track) may transfer a maximum of 30 hours of course work taken at USF toward their UCF undergraduate degree. Such students fulfilling the accelerated 3 + 4 track will receive their BS degree from the University of Central Florida after successfully completing all UCF requirements and the requirements of the first year of medical education at USF.

The USF College of Medicine will provide oversight of the 4-year medical school curricular component of the program.

Eligibility Requirements

- Florida resident
- SAT score of 1300 or ACT of 29
- Unweighted high school GPA of 3.7
- Class rank (if available) top 10%
- Admission to The Burnett Honors College
- Completion of the Accelerated USF Medical School Application Form with one letter of recommendation following admission to The Burnett Honors College
- Submittal of two letters of recommendation from UCF faculty and successful USF College of Medicine interview in May at the completion of the first year
- Detailed program requirements can be found at [http://www.honors.ucf.edu/usf_medschool_requirements.html](http://www.honors.ucf.edu/usf_medschool_requirements.html)

Honors in the Major

Application for admission to the Honors in the Major program will be made to TBHC following consultation by the student with the Department Chair or Honors in the Major Coordinator in the student’s major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be placed in the University Library with another copy remaining in The Burnett Honors College Reading Room. An Honors in the Major Handbook outlining the procedures for completing this program is available in BHC 102 or online at [http://honors.ucf.edu/docs/HIM/himhandbook.pdf](http://honors.ucf.edu/docs/HIM/himhandbook.pdf)

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

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Directed Readings course work as determined by the academic department; and at least three but not more than six hours of Honors Thesis or Project work taken in the college or department of major. Engineering majors must take EGN 4931H in lieu of Directed Readings and will write a thesis proposal as part of their coursework. HIM students in the College of Health and Public Affairs may take three credit hours of Honors Directed Readings or one COHFA Honors Interdisciplinary Course. For Molecular & Microbiology students only, BSC 3404H may substitute for Honors Directed Readings. Students who enroll in the Interdisciplinary Course or in BSC 3404H will write a Thesis Proposal as part of their coursework. Departments or colleges may set additional requirements for Honors in the Major to be completed.

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

The student must file an “Intent to Graduate with Honors in the Major” form with the TBHC Office of Research and Civic Engagement by the last day of classes of the semester preceding their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of “Honors in (subject area)” noted on the diploma and the University transcript. If you have any questions about these requirements, please contact TBHC at 407-823-6402 or honorsresearch@mail.ucf.edu

Student-Mentor Academic Research Teams

TBHC oversees the Student-Mentor Academic Research Teams (SMART) Program which is designed to assist sophomores and juniors identify and work with faculty mentors in a research area of shared interest. SMART is open to all UCF students with a minimum overall GPA of 3.2. A limited number of SMART grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about SMART should visit [http://www.honors.ucf.edu/SMART_main.html](http://www.honors.ucf.edu/SMART_main.html)

If you have any questions about SMART or the grants program, please contact the Office of Research and Civic Engagement in BHC 102 or by phone at 407-823-6402.

Office of Student Scholarship and Fellowship Advisement

The Office of Student Scholarship and Fellowship Advisement (OSSFA) serves all UCF students who are eligible to apply for prestigious scholarships such as the Rhodes, Truman, Gates, and Marshall. Because TBHC is UCF’s campus representative for all prestigious scholarships, applicants for scholarships that require institutional nomination must contact OSSFA prior to the application process.

Students seeking detailed information about prestigious scholarships and the application process should visit [http://www.honors.ucf.edu/scholar_main.html](http://www.honors.ucf.edu/scholar_main.html). All students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OSSFA office for assistance with their applications, even if the scholarship does not require institutional endorsement. Students seeking more information should contact OSSFA in BHC 103 or by phone at 407-823-0325 prior to the application process.
College of Arts and Humanities

*Dean*: Jose Fernandez; CAS 190; 407-823-2251
*Associate Dean*: Lyman Brodie; CAS 190; 407-823-2251
*Assistant Dean*: Consuelo Stebbins; CAS 190; 407-823-2251

The College of Arts and Humanities includes the following departments: Art, English, Modern Languages & Literatures, History, Music, Philosophy, and Theatre. The College also houses programs in Judaic Studies, Latin American, Caribbean and Latino Studies, Women’s Studies, Middle Eastern Studies and the School of Film and Digital Media.

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

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

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

Preprofessional Programs

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

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

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

Prehealth Professions

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

Advisement

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

The Office of Academic Support and Information Services (OASIS) is the primary office for undergraduate academic assistance in the College of Arts and Humanities and the College of Sciences. OASIS assists students in the Colleges with degree requirements, policies and procedures. The Office oversees General Education course evaluation and substitutions as well as evaluation and application of TSD credits. Questions concerning University and College academic policies affecting the College of Arts and Humanities and the College of Sciences majors should be directed to the OASIS staff in CNH 202 or by calling 407-823-2492. Questions concerning 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.

Program Planning

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

Area Studies Programs

Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has four area studies programs with an international focus: Asian; Judaic; Latin American, Caribbean, and Latino Studies; and Middle Eastern. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across the entire university may participate in them. These programs may be elected as minors by students majoring in any discipline within the university. For more information about the programs and contact numbers of the program directors see the list below. Contact the Office of International Studies for assistance or referral for all international inquiries regarding academic programs.

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

International Study Centers

Undergraduate Inter-institutional Transient Program
The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more semester hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits are earned through Florida State University, which administers the program on behalf of the State University System, credits are fully transferable within the System. Students at the Centers are considered to be resident in their home institutions for attendance and degree purposes.

Classes at the Florence Center emphasize art history, Italian, social sciences, and the humanities; at the London Center, theatre, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-862-2300.

Programs, Tracks, and Degrees

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<th>Title</th>
<th>Degree</th>
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<td>African-American Studies</td>
<td>Minor</td>
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<tr>
<td>American Studies</td>
<td>Minor</td>
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<tr>
<td>Animation</td>
<td>BFA</td>
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<tr>
<td>Art</td>
<td>BA, BFA, Minor, MFA</td>
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<tr>
<td>Asian Studies</td>
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<td>Cinema Studies (Film)</td>
<td>BA, Minor</td>
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<tr>
<td>Community Arts - PAVE</td>
<td>Minor</td>
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<tr>
<td>Digital Media</td>
<td>BA, BS, Certificate, Minor</td>
</tr>
<tr>
<td>English</td>
<td>BA, MA, Minor, MFA, Ph.D., Certificate</td>
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The College of Arts and Humanities

Film
Modern Language Combination
French
German
History
Humanities
Italian
Jazz Studies
Judaic Studies
Latin American Area Studies
Middle Eastern Studies
Music
Music Education
Philosophy
Religious Studies
Spanish
Teaching ESL
Theatre
Translation and Interpretation
Women's Studies

Degrees: BFA, BA, Minor
Tracks: None
Minors: None

American Studies: Program
Contact: Consuelo Stebbins; CAS 190; 407-823-2251

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

Asian Studies: Program
Contact: Consuelo Stebbins, CAS 190, 407-823-2251

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (anthropology, art history, economics, foreign languages, history, humanities, philosophy, political science).

Degrees: None
Tracks: None
Minors: Asian Studies

Department of Art
Contact: Mark Price; VAB 117; 407-823-2676

The faculty in the Department of Art teach studio arts, graphic design, and art history. The curriculum in Art provides professional preparation in art history, and in the studio concentrations of animation, ceramics, drawing, fibers and fabrics, graphic design, painting, photography, printmaking, and sculpture. A Bachelor of Arts is offered in art history and both the Bachelor of Arts and the Bachelor of Fine Arts degrees are offered in the studio specializations. Competitive scholarships and awards are available to currently enrolled full-time UCF art majors through portfolio reviews by faculty. These awards are sponsored by UCF and the Altrusa Club of Winter Park.

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

English: Department
Contact: Kevin Haran; VAB 117; 407-823-2676

A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for the student who is majoring in Art, Music, Theatre, or English.

Degrees: None
Tracks: None
Minors: Community Arts

School of Film and Digital Media
Contact: Terry Frederick

Digital Media is a four year curriculum with areas of specialization in Visual Language and Interactive Media. Basic concepts in digital technology, story and performance are fundamental to the curriculum. There are strong interests in digital production and entertainment, serious games, internet issues and the development of digital media presentations via various electronic capabilities. Digital media partners with several companies in the area with internships, research activities and graduate work in game development.

Degrees: Digital Media (BA)
Tracks: Digital Interactive Systems and Visual Language
Minors: Minor, Certificate

Contact: Thomas Krise; CH 405; 407-823-1159

Faculty: Angley, Applen, Barnes, Barkevicius, Bell, Bowdon, Bowie, Brain, Brodkin, Campbell, Carpenter, Casmier-Paz, Cato, Davidson, Dombrowski, Flammia, Fox, Graieda, Gorram, Hemschemeyer, Hepner, Hoheinleimer, Hubbard, A. Jones, D. Jones, Kamrath, Kessler, Klipton, Lamazares, Leiby, Lislos, Logan, Mariana, Mauer, Meehan, Morton, Murphy, Oliver, Owens, Pugh, Rodriguez-Milanes, Roney, Rushin, Saper, Schell, Scott, Seidel, Smith, Spraker, Stap, Telep, Thaxton, Touard, Wallace, Young.

Professors Emeriti: Adicks, Omans, Schiffhorst

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

Degrees: English (BA, MA, MFA, Ph.D)
Tracks: Literature, Creative Writing, Technical Writing
Minors: Creative Writing, Literature, Linguistics, Technical Writing and Editing, Writing

Contact: Clint Bowers; OTC5 500; 407-823-1733

Faculty: Blue, Bowers, Cannon-Bowers, Carbone, Croft, Curasi, Deaery, Frederick, Goulart, Hadnutt, Hall, Hughes, Kenny, Moshell, McDaniel, Peters, Salisbury, Stapleton, Sung, Underberg, Weaver, Wirth.

Digital Media is a year curriculum with areas of specialization in Visual Language and Interactive Media. Basic concepts in digital technology, story and performance are fundamental to the curriculum. There are strong interests in digital production and entertainment, serious games, internet issues and the development of digital media presentations via various electronic capabilities. Digital media partners with several companies in the area with internships, research activities and graduate work in game development.

Degrees: Digital Media (BA)
Tracks: Digital Interactive Systems and Visual Language
Minors: Minor, Certificate

Contact: Clint Bowers; OTC5 500; 407-823-1733

Faculty: Blue, Bowers, Cannon-Bowers, Carbone, Croft, Curasi, Deaery, Frederick, Goulart, Hadnutt, Hall, Hughes, Kenny, Moshell, McDaniel, Peters, Salisbury, Stapleton, Sung, Underberg, Weaver, Wirth.

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Degrees: Digital Media (BA)
Tracks: Digital Interactive Systems and Visual Language
Minors: Minor, Certificate

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Degrees: Digital Media (BA)
Tracks: Digital Interactive Systems and Visual Language
Minors: Minor, Certificate
Film: Program
http://www.film.ucf.edu
E-mail: film@ucf.edu
Division Head: Steve Schlow; COM 121; 407-823-0694
Faculty: Blum, Congdon, Cook, Fluegel, Gerstein, Harpole, Harris, Ingle, Johnson, Jones, Rohdie, Sandler, Schlow, Stockl, Yearwood
Offering a four-year undergraduate curriculum, the Film Department focuses on developing a student’s creative voice, and stresses entrepreneurial filmmaking and the use of new technology in the production and distribution of their work. Encompassing all aspects of filmmaking from conceptualization to distribution, the department prepares students to become effective independent filmmakers. Graduating seniors are required to complete a capstone film, script, or digital media project. Concentrations include: filmmaking, screenwriting, digital cinema, and cinema studies. Community partners include: Universal Studios Florida, Disney-MGM Studios, and the Florida Film Festival.

Students are selected for the “limited access” program by submitting an application form and creative portfolio by December 31. Complete information on faculty, curriculum, and admission requirements is available on the department website. Because this is a limited access program, students should pay close attention to the program admission requirements.

Degrees: Film (BFA) Cinema Studies (BA)
Minors: Film-Cinema Studies (BA)

Department of History
http://pegasus.cc.ucf.edu/~history
E-mail: history@ucf.edu
Chair: Edmund Kallina; CNH 505A; 407-823-5450
Faculty: Adams, Beiler, Cassanello, Clark, Crepeau, Downing, Farless, Fernandez, Foster, Gordon, Greenhaw, Herlihy, Kallina, Lester, Lyons, Martinez-Fernandez, Solonari, Stockdale, Walker, White, Zhang

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 functioning 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
http://www.cas.ucf.edu/judaic_studies
E-mail: judaicat@ucf.edu
Program Director: Professor Moshe Pelli; CNH 201, 407-823-5039 or 823-5129
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 international and Middle-Eastern affairs, in languages or liberal arts, in the ministry or rabbinate, and in the community at large.

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

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

The Latin American Area Studies Minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand Latin America, the Caribbean and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers including, but not limited to education, government, journalism, foreign service, social and community service, international trade, and public relations.

Degrees: None
Tracks: None
Minors: Latin American Area Studies

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

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region.

Course work will include classes from the curricula of participating programs (modern languages, history, humanities, Judaic Studies, philosophy and political science).

Degrees: None
Tracks: None
Minors: Middle Eastern Studies

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

Stebbins, Taylor, Trinquet-Balak, Villanueva, Vitanova, Micarelli (Professor Emeritus)
The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language. These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), Modern Language Combination (BA), TESOL (MA)
Tracks: None
Minors: French, German, Italian, Spanish

Department of Music
http://www.cah.ucf.edu/music/
E-mail: philosophy@ucf.edu
Chair: Johnny Pherigo; CNH 205; 407-823-2869, Fax 407-823-3378
Part-Time Faculty: Bagley, Fox, Hawkins, Hill, Hsu, Randall, Robertson, Titus, Schultz, Wei

The Department of Music offers a Bachelor of Music degree with options in performance and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Co-meaining courses leading to teacher certification are offered cooperatively with the College of Education. Bachelor of Arts and a Bachelor of Music Education degrees in Music Education are offered by the College of Education. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

Degrees: Music (BA), Music Education (BME), Music Performance (BM)
Tracks: Music Performance, Composition
Minors: Music

Department of Philosophy
http://www.cah.ucf.edu/philosophy
E-mail: philosophy@ucf.edu
Chair: Shaun Gallagher; CNH 411; 407-823-2273
Faculty: Cash, Compson, Congden, Coverston, DiBernardo, Evans, Hawkins, Jaeger, Jones, Kassim, Mundale, Park, Schippert, Stanlick, Strawser, VanHook

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

Degrees: Philosophy (BA), Humanities (BA), Humanities Religious Studies (BA)
Tracks: Regular and Honors
Minors: Philosophy, Humanities, Religious Studies, Cognitive Sciences

Department of Theatre
http://theatre.ucf.edu
E-mail: theatre@ucf.edu
Chair: Roberta Sloan; UTC 111; 407-823-2862.
Faculty: Alrutz, Bell, Boyd, Brotherton, Brown, Chicurel, Columbus, Flannery, Harris, Helsinger, Huaixiang, Ingram, Lartonox, Lee, Listengarten, Melita, Niess, Ruscella, Rusnock, Scheibhardt, Scott, Seay, Shafer, Siegfried, Smith (Professor Emeritus), St. Claire, Stibring, Tolleson, Vernon, Weaver, Woods, Wooten, Wuehrman

The Department of Theatre seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering both undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensively with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

Degrees: Theatre (BA, BFA, MA, MFA)
Tracks: Acting, Design and Technology, Design, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies
Minors: Dance, Theatre

Women’s Studies: Program
http://www.cas.ucf.edu/womensstudies
E-mail: womenst@ucf.edu
Program Director: L. M. Logan; CNH 201H; 407-823-6502

Faculty: Preston, Oliver

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

Degrees: BA (Liberal Studies)
Tracks: Women’s Studies Track in Liberal Studies
Minors: Women’s Studies, Certificate
College of Business Administration

Dean: Thomas L. Keon, BA 230; 407-823-2181
Associate Dean: Bradley M. Braun, BA 230L; 407-823-5094
Associate Dean: E. Taylor Ellis, BA2 101-W; 407-823-2187

The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University’s mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

Nurturing Learning and Exploration: The College is a catalyst for students, faculty, and the general public to gain a better understanding of the various fields of business. Educational experiences inspire learning and encourage exploration.

Dissemination of Information: Students are encouraged through the learning process to gather information to be used by them in future business vocations. Both students and faculty are encouraged to pursue outlets to share “new” information within their fields and to business practitioners.

Provide Educational Opportunities: Degree seeking individuals are provided with curricula leading to baccalaureate, masters, and doctoral programs. The College is also committed to providing more opportunities with structured learning experiences that “certify” non-degree seeking individuals as having accomplished a minimum requirement for a selected career.

Provide a Platform for Partnerships: The College is engaged in specific areas of excellence that provide opportunities for learning, exploration, and sharing. These specific areas of excellence take the form of Centers and Institutes, and selected niche areas of College units.

All undergraduate and graduate programs are accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

Admission to the University of Central Florida does not imply admission to the College of Business Administration. Students will only be
allowed to enroll in the 3000/4000 level courses taught by the College of Business Administration after they have been admitted to the College. Admission to the College will be granted when the following are complete:

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

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of “C” (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study.

BE2010

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

GEB 3031 Cornerstone
GEB3356 Introduction to International Business
BUL 3130 Legal and Ethical Environments of Business
ECO 3411 Quantitative Business Tools II
FIN 3403 Business Finance
MAN 3025 Management of Organizations
ISM 3011 Essentials of Management Information Systems
MAR 3023 Marketing
MAN 4720 Strategic Management

Grade Point Average Requirements

For graduation the student must have maintained a minimum 2.0 GPA in course work taken in the College of Business Administration and a minimum 2.0 GPA in the course work required in the major, and a UCF minimum GPA of 2.0. In addition, all majors within the College of Business Administration also require a grade of “C” (2.0) or better in each course within the major.

Student Load

A student who is enrolled in 15 semester hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 17 semester hours in the Fall and Spring terms, and 14 semester hours in the Summer term must obtain permission from the College.

Community/Junior College Transfer Notes

1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida’s community and junior colleges should complete the following courses as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, and QMB 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.

2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of “C” (2.0) or higher transfer into the program.

3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements
   b. The one year Accounting and Economics sequence
   c. College Algebra
   d. CGS 2100

4. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management Information Systems, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college courses.

5. A minimum of 12 semester hours must be completed at UCF within each individual major and 30 hours within the UCF College of Business.

Advisement

Undergraduate Student Services

Director: Helen Y. Hill; BA2 101; 407-823-2184

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

Programs and Degrees

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<td>BABA</td>
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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: Bandy, Bobek, Dwyer, Evans, Goldwater, Johnson, Judd, Kellilher, Klintworth, Lacy, Mahoney, Roberts, Roush, Savage, Smith, Vaughen, Veit, J. Welch,

Mission Statement

The mission of the Kenneth G. Dixon School of Accounting is to provide high quality undergraduate, graduate, and professional educational programs responsive to the needs of students, community, and the profession. Teaching, research, and service are the means of accomplishing this mission. The School offers rigorous programs emphasizing communication skills, critical thinking, ethical practices, interpersonal skills, and technical competence preparing graduates for entrance into the accounting profession.

The School encourages intellectual contributions by faculty through instructional development, applied scholarship, and basic scholarship. The School provides service by participating in university governance, professional organizations, and professional educational programs. (Adopted by the faculty on March 4, 1993, and revised by the faculty on January 10, 1997.)

To prepare for any business career, a strong foundation in accounting and taxation will provide the variety of skills necessary to succeed in today’s complex financial world. An accounting degree prepares students for entry into the fields of industrial, managerial or governmental accounting, with a strong potential for career advancement.

The objective of the baccalaureate program with a concentration in accounting is to provide basic conceptual accounting and business knowledge as a foundation for accounting career development. The undergraduate degree also is the first step toward becoming a Certified Public Accountant, Certified Management Accountant and Certified Internal Auditor. The Kenneth G. Dixon School of Accounting also offers master’s degrees in accounting and taxation. These programs complete the education required to become a CPA. A rigorous and comprehensive accounting curriculum at UCF focuses on the real-world challenges of accounting, emphasizing problem
solving, information analysis and computer applications.

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

### Degrees
- Accounting (BSBA, MSA, MST)
- Finance (BSBA, Real Estate (BSBA))
- International Business, Real Estate, Finance
- Banking, Commercial Real Estate, Investments Real Estate, Residential Real Estate, Corporate Finance, Investments

### Department of Economics
**Chair:** W. Milon; BA 305-D; 407-823-3266, econometrics@bus.ucf.edu

**Faculty:**
- Anton, Braun, Buahagiar, Caputo, Dickie, Elston, Euzent, Finnoff, Gerking, Gibbs, Hamilton, Harrison, Hoffer, Hosni, Im, Martin, McHone, Mikhail, Milton, Moore, Pennington, Potter, Burgeling, Rutstrom, Scroggin, Soskin, Trammell, Underwood, White
- Faculty Advisor: R. Pennington; BA 303-B; 407-823-2640

Economic issues dominate today's news and public debates more than ever before. Inflation, unemployment, health care, economic growth, pollution, poverty, and international economic relations are a few of these issues. The primary strength of economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in economics equips individuals to both better understand and seek solutions to these issues.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

### Distinctive Benefits
- Flexible Curriculum: Students tailor the program to their individual interests through a large selection of economics electives.
- International Perspective: Exposure to the global economy through the International economics electives (10), including Area Studies (Europe, Japan, China, Pacific Rim, and Mexico).
- Interdisciplinary Linkages: Economics links with many other disciplines allowing for double majoring in Finance, General Business, and Political Science.
- Teaching quality: Many of the Economics faculty have received Excellence in Teaching Awards.
- Opportunity for strong quantitative and analytical training.
- Student Organizations: The Economics Club is an active student organization linking students to Alumni.
- Excellent preparation for law school admission.

### Degrees
- Business Economics (BSBA, MAAE, Ph.D.)
- Economics (BA)

### Minors
- Accounting

### Department of Finance
**Chair:** A. Byrd; BA 409; 407-823-3575

**Faculty:**
- Ajayi, Atkinson, Block, Borde, Byrd, Chen, Cheney, Choi, Dailymerly, Frye, Gilkeson, Gregg, McQuillen, Modani, Park, Ragazzino, Ramanian, Scott, Schnitzlein, Singer, Smith, 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)
- International Business, Real Estate, Finance

### Certificates
- Banking, Commercial Real Estate, Investments Real Estate, Residential Real Estate, Corporate Finance, Investments

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

This option allows students to develop a general program of study which will satisfy career objectives not provided for by the specialized areas of concentration. To pursue this option, students should seek advisement in the Department of Economics. An academic advisor will be assigned to assist each student in developing a meaningful program of study.

### Degrees
- General Business (BSBA, MBA, Ph.D.)

### Minors
- For non-Business majors

### Department of Management
**Chair:** F. Jones; BA 335; 407-823-2679

**Faculty:** Ambrose, Arnaud, Barringer, Becker, Bogumil, Butcher, Callahad, Connell, Fernald, C. Ford, R. Ford, Holland, Houseman, Keon, Migenes, McDonald, Putchiniski, Quinn, Schminke, Stone, Sussan, Uhl-Bien, Viggiano

Tomorrow's managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations.

The curriculum is designed so that students can choose to concentrate in specialized areas of Entrepreneurship and Human Resource Management, or students can choose to major in General Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.

The General Management major prepares students for a career that involves decision making responsibilities regardless of organization or assignment. The department goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Whether the student is studying leadership, motivation, staffing, or international management, the curriculum will sharpen students' skills in problem identification, analysis, and solution. The major can lead to a variety of rewarding careers in management positions throughout the organization. The department offers more specialized training - using the same approach - via our Human Resource Management major. Career paths include positions in training and development, personnel and employee relations, equal opportunity and labor relations, human resource consulting, and more. For students interested in starting their own business or working for smaller fast growing 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.
The College of Business Administration

- 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 308; 407-823-3106, Fax 407-823-2389

Faculty: Courtney, Goodman, Haynes, Hightower, Hornik, Jiang, Johnson, Leigh, McNamara, Porkh, Odisho, Saunders, Szymanski, Thienel, Tidwell, Van Slyke, West

Information systems form both the backbone and nervous system of virtually every business organization today. With the increasingly important role that information systems play in modern business organizations, the timing could not be better to enter this discipline. The objective of the Management Information Systems (MIS) program is to prepare students for exciting and challenging careers in the information systems 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 between large and small companies, emerging or stable, which lead to competitive salaries and travel opportunities.

The department offers an 18-hour minor in Marketing. This course of study provides a strong basic education in Marketing for business students with majors other than Marketing or students with majors from other colleges. Earning a minor in Marketing can add significant value and career flexibility for any student with any major.

Marketing is vitally important to all organizations and individuals, from global corporations to small businesses, from CEOs to the proprietors of small retail stores, from global manufacturing operations to a new dot com startup. Nearly one-third of the civilian work force in the United States is employed in jobs related to marketing.

Marketing offers a variety of interesting and challenging career opportunities, such as professional selling, retailing, advertising, marketing research, sports marketing, distribution and logistics, purchasing, and e-business. In addition, students with marketing degrees may find excellent job prospects in international markets. Marketing career opportunities also exist in a variety of non-business organizations, including hospitals, museums, universities, and government and social service agencies. Marketing also provides a strong career foundation for movement into top management positions.

Distinctive Benefits
- IM2010 program for Marketing majors recognized as one of the most innovative in the country.
- Seven certificate programs are available for Marketing majors.
- An 18-hour Marketing minor is available for students with other majors.
- Twenty-two dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offering each semester and summer -you can finish!
- Full-time faculty teach approximately 90% of undergraduate classes offered by the Department.
- Strong emphasis on preparing students for marketing management careers.
- Approximately 15 scholarships awarded annually on a competitive basis.
- Opportunities to participate in honors in the major, internships, independent projects, and directed studies.
- Opportunities to participate in national award-winning student chapters of the American Marketing Association and The Society for Marketing Professional Services (SMPS).

Degrees: Marketing (BSBA)
Tracks: Generalist, Sales
Minor: Marketing
Certificates: Selling and Sales Management, Retailing Management, e-Marketing, Entertainment Marketing

For more information, visit http://www.bus.ucf.edu/marketing/index.htm, or call 407-823-2108. Department office is located in BA 353.
The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary, exceptional, physical, technical education, and sports and fitness professionals. The College of Education is dedicated to preparing professional educators/reflective practitioners who meet the needs of our schools and society.
The College of Education

Admission to the College of Education

Admission to the College will be granted when students meet the following requirements:

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted)
- Complete common program prerequisite courses

Transfer Notes:
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida Public Community College are cautioned to pay careful attention to the General Education and Common Program Prerequisites sections because the revision of State Board of Education Rule 6A-5.066 has made programs highly prescriptive, which may result in additional coursework to satisfy degree requirements. Students are responsible for all ESOL assignments for all UCF ESOL-infused courses that may be transferred from other institutions.

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

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

Office of Student Affairs

Executive Director: Tina Smilie, ED 110, 407-823-3723
Located in the Education Complex Suite 110, the Office of Student Affairs is dedicated to facilitating the success of students seeking advisement, assistance, and support in the College of Education. The Office of Student Affairs is organized into the Offices of Clinical Experiences, Minority Programs in Education, and Student Services.

Mission Statement

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

Office of Clinical Experiences

Director: Carolyn Walker Hopp, ED 110, 407-823-2436
http://reach.ucf.edu/~editern
Clinical experiences provide students with a broad range of instructional experiences in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of every degree program and consist of early field experiences as well as Internship I and Internship II. Placement of students is the responsibility of the College of Education.

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

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

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

- Have on file in the University admissions office passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test and/or College Level Academic Skills Test (CLAST) (no alternatives or waivers are accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a “C-” (1.75) or better in all prerequisite methods/ specialization courses
- Complete a formal application for Internship I online by deadlines listed above
- Meet any special departmental requirements
Internship I is a three semester hour experience. Students are assigned to work with certified supervising teachers under the direction of a university coordinator. Students are enrolled in a limited number of related professional courses during the experience. Additional courses may be taken only with the consent of the academic program coordinator and department chair.

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

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

Students must also have completed all methods courses and most of their specialization courses. Some programs (such as Elementary Education) require all specialization courses to be completed prior to Internship II. Students must also be approved for admission by the faculty in the department of the student’s major. Internship II experience is completed locally.

The College of Education

Office of Minority Programs
in Education

Director: TBA; ED 110, 407-823-0184
http://pegasus.cc.ucf.edu/~mpie/
The Office of Minority Programs in Education (MPIE) is designed to recruit and retain diverse students as they prepare for a career in education. MPIE provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty mentor in the College.

Program Objectives
- Recruit and retain diverse students interested in careers in teaching
- Promote academic excellence and foster professional development
- Assist in job placement
- Encourage community involvement and commitment

Scholarship Requirements
Students must meet the following criteria:

- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida Resident
- Be admitted into the UCF-College of Education as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Submit Scholarship Application
- Successful 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

Office of Student Services

Director: Andrea Withington, ED110, 407-823-3723
http://pegasus.cc.ucf.edu/~stuservw/
The College of Education Office of Student Services assists students with orientation, registration information, general academic advisement, college and University academic requirements and graduation certification. Education Pending majors are advised in the Office of Student Services. Students are assigned a faculty advisor upon meeting College of Education admission requirements. Students are encouraged to make an early appointment with an academic advisor. Information regarding majors offered by the College of Education can be obtained in the Office of Student Services or at http://www.edcollege.ucf.edu/ (click on Student Services).
Admission to the University of Central Florida does not imply admission to the College of Education. Students will be allowed to enroll in the 3000/4000 level courses taught by the College of Education after they have been admitted to the College.

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

Alternative Certification for Non-Degree Students
All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or masters degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.

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

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 coursework for all masters and doctoral programs in education, and coordinates the core courses for the Curriculum and Instructional Doctoral Program and the Graduate Certificate in Initial Teacher Preparation. The Department houses the Masters of Education in Curriculum and Instruction Program, with M.Ed., M.A. and Graduate Certificate options in Gifted Education, Urban Education, and Multicultural and Global Education. Educational Studies graduate courses provide opportunities for students to advance their knowledge and skills related to multicultural, social, and psychological factors, curriculum and instructional theories, and the historical and philosophical factors that influence education.

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

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

Several graduate level programs are available in the department:

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

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

Department of Teaching and Learning Principles
Chair: Robert Williams; ED 209-D; 407-823-4836
Assistant to the Chair: Dr. Lawrence Mione, ED 206-C, 407-823-0523

Elementary/Middle Education
The Elementary Education program is designed for prospective teachers interested in the education of children, five through twelve years of age. Students who major in elementary education are qualified to teach grades kindergarten through six upon graduation and receipt of a Florida teaching certificate.

Secondary/Post Secondary Education and Training
Programs in this area are designed for prospective teachers/trainers interested in working with students in a specific academic or vocational area in middle/junior high school, high school, selected post-secondary educational settings, and selected technical training settings in business and industry. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education, Sports and Fitness, and Technical Education and Industry Training. Graduate level programs are available in Art Education, Elementary Education, English Language Arts Education, Educational Media, K-8 Mathematics and Science Education, Mathematics Education, Music Education, Physical Education, Science Education, Social Science Education, Reading Education and Vocational Education. The Ph.D. in Education is available with tracks in Mathematics Education and Elementary Education.

K-12 Education
Programs in this area are designed for prospective teachers in content areas that may be applied in any school setting from Kindergarten through grade twelve. Specialization is available in Art, Foreign Language (French or Spanish), and Physical Education.

Department of Educational Research, Technology and Leadership
Chair: Conrad Katzenmeyer; ED 209D; 407-823-4835
Assistant to the Chair: Christine Karper; ED 206B; 407-823-0623

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

Dean: Neal C. Gallagher; ENG2 202; 407-823-2156
Interim Executive Associate Dean for Research: Debra Reinhart;
ENG2 202; 407-823-2156
Associate Dean for Academic Affairs:
J. F. Nayfeh; ENGR 107; 407-823-2455
Assistant Dean for Distributed Learning:
Samuel Richie; ENGR 289; 407-823-5765
Director, Academic Support Services: Melissa Dagley-Falls;

Director, of College Honors Programs: Mohamed Abdel-Aty,
ENGR2 301H 308; 407-823-21795657
Website: http://www.cecs.ucf.edu
Assistant Dean for Distributed Learning:
Samuel Richie; ENGR 289; 407-823-5765
Director, Minority Engineering & Computer
Science Programs: Jacqueline Smith;
ENGR 281; 407-823-3466
### College Mission Statement

The CECS primary mission is to further the knowledge and practice of engineering and computer science professions nationally and internationally by:

- 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 life-long learners.
- Expanding the knowledge base of engineering and computer science through dynamic research and applying new discoveries to problem solving.
- Providing collaborative leadership with external partners in advancing technological breakthroughs for the economic and social well being of humankind.
- Extending educational opportunities to technology practitioners locally, nationally and globally to enhance human performance, and economic and technical development.

### College Core Values

- Honestly: Tell the truth and be aboveboard and candid.
- Integrity: Foster trust and be accountable for one’s actions.
- 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.

### Undergraduate Majors and Degrees

<table>
<thead>
<tr>
<th>Major</th>
<th>Program</th>
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<tbody>
<tr>
<td>Aerospace Engineering</td>
<td>BS, BSAE, ME</td>
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<tr>
<td>Civil Engineering</td>
<td>BSC, BSC, BSE, BSCE, BCE</td>
</tr>
<tr>
<td>Civil Engineering - Construction Engineering</td>
<td>BSC, BSE</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>BS, BSc</td>
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<tr>
<td>Computer Engineering - Software Engineering</td>
<td>BSE, BSc</td>
</tr>
<tr>
<td>Computer Science</td>
<td>BSE</td>
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<tr>
<td>Electrical Engineering</td>
<td>BSE</td>
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<tr>
<td>Electrical Engineering - Wireless Communication</td>
<td>BSE</td>
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<tr>
<td>Electrical Engineering - Wireless Communication</td>
<td>BSE</td>
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<tr>
<td>Microelectronics Concentration</td>
<td>BSE</td>
</tr>
<tr>
<td>Electrical Engineering Technology - Computer Systems Concentration</td>
<td>BSET</td>
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<tr>
<td>Electrical Engineering Technology - Electrical Systems Concentration</td>
<td>BSET</td>
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<tr>
<td>Engineering Technology - Design Concentration</td>
<td>BSET</td>
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<tr>
<td>Engineering Technology - Applications Concentration</td>
<td>BSET</td>
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<tr>
<td>Engineering Technology - Space Systems Concentration</td>
<td>BSET</td>
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<tr>
<td>Mechanical Engineering</td>
<td>BS, BSc, BSME</td>
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<tr>
<td>Mechanical Engineering - Energy Systems Concentration</td>
<td>BSME</td>
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<tr>
<td>Mechanical Engineering - Mechanical Systems Concentration</td>
<td>BSME</td>
</tr>
<tr>
<td>Mechanical Engineering - Materials Concentration</td>
<td>BSME</td>
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</tbody>
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### Accelerated BS/MS Degree Program

All of the Engineering and Computer Science departments, except the Department of Civil and Environmental Engineering, offer a program that will allow students of high academic standing to complete an MS degree at an accelerated pace. The full-time students in this program will be allowed to use up to twelve hours of selected courses with a grade of “B” or higher toward fulfillment of both the BS and MS degree requirements. Interested individuals should see the program descriptions in the undergraduate and graduate catalogs. They may also contact the department Assistant Chair and/or Graduate Coordinator if they have any further questions.

### College Goals

- A national caliber, diverse College that is recognized with leadership in research and teaching.
- Distinguished, innovative undergraduate programs to provide graduate-like education for undergraduates.
- High quality graduate education to meet the needs of Florida and the U.S. and to achieve national and international prominence.
- A model for university outreach, globalization and partnerships
- A college with national and international visibility.
- An inclusive, open and supportive environment.

Students who seek a challenging technical career in research and development, design, technical sales, manufacturing, management, teaching, or other professions requiring a methodical, creative solution to problems should seriously consider pursuing an education in engineering, engineering technology, or computer science. The internationally-recognized faculty of the College of Engineering and Computer Science, together with its strong curricula of undergraduate and graduate programs, provide an opportunity for ambitious, responsible men and women to become the leaders of our increasingly technological world. Because of the significance of science and technology to our everyday lives, today’s engineer, engineering technology, and computer scientist must be aware of the impact of his or her creations on society. In addition to the public health and welfare, aesthetics, economics, and energy-use implications, our graduates also consider environmental, sociological, and other humanistic costs. A degree from the College of Engineering and Computer Science is also recognized as a valuable asset to entering other professional pursuits such as the medical or law professions, architecture, education, the military professions, or even politics.

### College 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 (SECCS) and three engineering departments: the Civil and Environmental Engineering (CEE) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The School of Electrical Engineering and Computer Science is comprised of the Computer Science Department, and Information Technology, and Electrical and Computer Engineering. The Engineering Technology Division is comprised of the Engineering Technology (ENT) Department, and the ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All components of the Engineering and Computer Science Division, except Information Technology, also offer advanced studies leading to the Master of Science degree and the Doctor of Philosophy degree. Interested students should see the Graduation catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are fully accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET), 1111 W. Third Street, Baltimore, MD 21201-4012, Telephone: (410) 347-7700, Fax: (410) 625-2238. ABET is recognized by the U.S. Department of Education as the sole agency responsible for accreditation of educational programs leading to degrees in engineering, engineering technology, and related engineering areas. The Computer Science program is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET), 1111 W. Third Street, Baltimore, MD 21201-4012, Telephone: (410) 347-7700, Fax: (410) 625-2238.

The Engineering Technology Division and Department offers baccalaureate degrees in Design, Operations and in Space Sciences, leading to the Bachelor of Science in Engineering Technology (BSET) degree, and in concentrations in Electrical Systems, Computer Systems, and in Photonics, all leading to the Bachelor of Science in Electrical Engineering Technology (BSEET) degree. Both the BSET and BSEET, with the exception of the new Photonics concentration, degrees are accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology (ABET).
The College of Engineering and Computer Science

The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering, engineering technology, and computer science majors an enriched educational, technical, professional and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

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

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

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six semester hours of undergraduate honors under the guidance of a faculty member.

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.

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 graduate students. Successful candidates will be awarded an Honors in Engineering/Engineering Technology/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this program.

Application for admission to the Honors in the Major Program must be made to the College of Engineering and Computer Science Honors Director, Niels Lobo (Computer Science), Harris Corp. Engineering Center, Room 252, or Mohamed Abdel-Aty, (Engineering) Engineering Building 2, room 301H. For more information about the Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering, engineering technology, and computer science students may also participate in the LEAD (Leadership Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering, Engineering Technology, and Computer Science Programs

Information on each UCF engineering, engineering technology, computer science, and information technology program follows, and more current information can be found on the College home page at http://www.cecs.ucf.edu/ and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog.

Department of Civil and Environmental Engineering

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

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

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

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, transportation engineering, and construction engineering. Civil Engineering students are required to take a minimum of two Project Design Courses, which synthesize various pre-requisite course offerings into a design project. Students in the Civil Engineering with Construction option are required to take two Project Design Courses (Construction Design Project and Geotechnical Engineering Design). These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Civil Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:

1. 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.

The College of Engineering and Computer Science
University of Central Florida

Program Objectives

Within the first several years following graduation, graduates should:

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

The Environmental Engineering Program

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

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

Mission

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

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

Program Objectives

Within the first several years following graduation, graduates should:

1. Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Educational Objectives

1. Produce graduates who have technical knowledge that is fundamental to the principles of critical areas of Environmental Engineering such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.
2. 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.

The University of Central Florida

University of Central Florida
The Information Technology Program

The Information Technology Program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer hardware, software, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web server design. The program provides students a strong conceptual core, which will prepare them to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in technical writing, a course in ethics, and five upper division courses in an area outside information technology will prepare these students to deal with the subject areas and communicate in the parlance of the industries in which they choose to work. Basically, students will have an interdisciplinary core in which the principles and practices of the three disciplines of the School are presented in a cohesive, connected manner. They will then create their own multidisciplinary component by taking upper division courses that are typically outside of the College of Engineering and Computer Science.

Mission

The mission of the Bachelor of Science in Information Technology Degree Program is to educate students in the science and practices of information technology, preparing them for a lifetime of learning and for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.

Objectives

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

The Computer Engineering Program

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

Mission

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

Objectives

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

The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 18 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEL 3307C and EEL 4309C), Digital Signal Processing (EEL 4750), Signal Analysis and Communication (EEL 3552C). Computer Systems Design I (EEL 4767C), Networks and Systems (EEL...
The Industrial Engineering approach is characterized by a systematic manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

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

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facilities design and plant layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4116 and EIN 4891.

Mission

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

Objectives

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

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

**Department of Industrial Engineering and Management Systems**

**Chair:** Lesia Crompton-Young; ENG2 312; 407-823-2204, Fax 407-823-3413

**Faculty:** Armacost, Butler, Chandra, Crompton-Young, Elshennawy, Furterer, Geiger, Hoekstra, Hosni, Kotnour, Kulonda, Lee, Malone, McCauley-Bell, Mollahgahsehi, Mullens, Pet-Armacost, Proctor, Rabelo, Ragusa, Reilly, Schrader, Sepulveda, Stanney, Tang, Wang, Whitehouse, 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 facilities design and plant layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4116 and EIN 4891.

Mission

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

Objectives

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

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

**Department of Mechanical, Materials, and Aerospace Engineering**

**Chair:** Ranganathan Kumar; ENGR 307; 407-823-2416, Fax 407-823-0200

**Faculty:** An, Bishop, O. Chen, R. Chen, Chew, Cho, Chow, Coffey, Conway, Desai, Fang, Hagedoorn, Ham, Ilghusi, Johnson, Kalita, Kapat, Kar, Kassab, Klemenz, Leonessa, Lin, Minardi, Moslehy, Nayfeh, Nicholson, Peterson, Seal, Sohn, Suryanarayana, Vaidyanathan, Wang, Xu

The Department of Mechanical, Materials, and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerody-
namics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in thermo-fluids, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, CAD/CAM/FEM, feedback control and mechatronics, fluid mechanics, heat transfer, and structures 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 provide the highest quality aerospace engineering professionals and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as aerospace engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be 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.

Aerospace Engineering Program Educational Objectives and Outcomes
Career Preparation: The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.

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

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

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

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

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

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

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

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

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

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

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

Bachelor of Science in Electrical Engineering Technology (BSET)
This program in electrical engineering technology, leading to the BSET degree, provides a structured curriculum with instruction in fundamentals and engineering principles applicable toward working with both present and future technologies in a variety of work environments. Graduates may find employment opportunities in such diverse fields as aerospace, instrumentation, computers, communications, consumer products, banking and education. They may become involved in applied design, product development, manufacturing, quality assurance, production and operations as well as activities such as field engineering, sales, systems analysis, technical writing and software design, preparation and programming.

The EET program provides three paths of concentration, there-by providing the student a choice between either a hardware or a software emphasis. The concentration in Electrical systems provides a broad-based curriculum in electrical/electronic engineering principles, and their application. Instruction and problem solving experiences are provided in both circuit and system aspects including computers, communications, controls and electrical power. The concentration in Computer Systems, while providing a firm foundation in electrical/electronics technology, also includes extensive instruction in programming, system design and analysis, and systems programming. Projects in solving real-world problems are required of all students in this concentration. The concentration in Photonics provides...
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.

**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 also be involved in many diverse areas including product development, manufacturing, quality assurance and logistics, sales, field engineering, technical writing and safety. The Space Science Technology concentration prepares students for a career in launch and space operations, payload management, and other requirements to work in the space industry. Projects in solving real-world problems, are required of all students in the BSET program. In addition to the engineering technology core, all concentrations in the BSET program have a common lower division core as well as a common upper division core.

**Bachelor of Science in Information Systems Technology (BS)***

The Engineering Technology Department also offers the Bachelor of Science degree in Information Systems Technology (BS), designed to accept Associate of Science (AS) degree graduates from community college programs in Computer Programming Technology, Digital Communications, and Networking. The IST curriculum provides the AS graduate with additional course work in networking and computer systems. It also provides skills and knowledge related to project management in Information Technology. A characteristic of this curriculum is that it contains less mathematics and natural science than do the BSET and BSEET curricula.

**Reserve Officer Training Corps**

**Air Force ROTC (Aerospace Studies)**

*Chair:* Col. William G. Palmy; Trailer 501, Room 103; 407-823-1247, Fax 407-823-2265

*Faculty/Staff:* Captain Williams, Captain Ellingson, Captain Little, TSgt Fields, SSgt Crawford, and Mrs. Fioramanti, Office Manager

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers four-year, three-year, and two-year Air Force ROTC programs. The four/three-year program provides on-campus study during the freshman through senior years. The two year program allows community college transfer students and other students with two academic years remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com/.

*Curriculum*

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

1. **General Military Course (GMC)**

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

2. **Professional Officer Course (POC)**

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

**Leadership Laboratory**

Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course

- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- Pass the Air Force Officer Qualifying Test
- Pass an Air Force medical examination
- Pass the Air Force Physical Fitness Test each semester
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or six weeks)
- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission

**Monetary Allowance**

All contracted students enrolled in the Professional Officer Course receive a tax-free monetary allowance of $350 or $400 per month based on their academic classification.

**Air Force ROTC Scholarship Program**

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

**Summer Training**

All students must attend a summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL, Tyndall Air Force Base in Panama City, FL or Ellsworth AFB in Rapid City, SD. This course includes junior officer training, officer career orientation, and physical conditioning. Students enrolled in the four-year AFROTC program will attend a four-week summer course, normally upon completion of the General Military Course. A six-week summer course, which includes a modified version of the General Military Course, is required for students entering the two-year AFROTC program. These students must complete their summer training prior to their formal enrollment in the Professional Officer Course curriculum. These students must 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 Allison R. Reinwald; Trailer 501, Room 110

*Faculty/Staff:* LTC Christensen, MAJ Fallon, CPT Brown, CPT
Hernandez, CPT Plumtree, MSG Celestine, MSG Neil, SFC South, Ms. Betty Martin, Office Manager; 407-823-2430, Fax 407-823-5324

The University of Central Florida, in cooperation with the US Army, provides an opportunity to earn a commission as a Second Lieutenant 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 Associate of Arts, Baccalaureate or Graduate degrees. The two-year option allows students with at least two academic years remaining in either undergraduate or graduate studies to meet all requirements for commissioning. 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. Students earn about $9500.00 in their last two years. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu

Curriculum
The Military Science 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 courses, open to both men and women, are designed for four-year participants and are normally offered during the freshman and sophomore years. 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 1101, 1102, 2201, 2202). Students will also participate in a Field Training Exercise (FTX). These courses 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), open to both men and women, 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 desire a commission as a Second Lieutenant are contracted and paid a tax-free subsistence of $350.00 per month up to 10 months during their Junior year and $400.00 per month during the Senior school year. Each student is required to take courses that meet the Army’s Professional Military Education Requirements. Students must meet pre-requisite requirements and must obtain permission from the department chair prior to participating in the Advanced program course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.
B. Requisites for Admission to the Advanced Course:
   - Successful completion of Basic Course, Basic Camp (LTC), JROTC, prior military service or permission of the Department Chair
   - Must be at least 17 years of age at the time of entry, but not more than 30 years of age at the time of commissioning (30-year age regulation may be waived for veterans up to age 34)
   - Successful completion of an Army physical examination
   - Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
   - Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
   - US Citizen
   - A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

3. Monetary Allowance
All contracted and scholarship students enrolled in the Advanced Military Science Course receive a tax-free monetary allowance of $450.00 or $500.00 per month during the school year.

4. Scholarships
Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition, books and fees for Fall and Spring semesters. In addition, all contracted scholarship students also receive the $300.00, $350.00, or $450.00, or $500.00 monetary allowance per month during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

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

6. Daytona Beach Campus Students
These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, (904) 239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

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

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

3. Leadership Development and Assessment Course (LDAC)
All students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. Students normally attend LDAC after their junior year and receive approximately $800 pay for the training.
The College of Health and Public Affairs houses six departments and programs: the School of Nursing, the School of Social Work, and the departments of Communication Sciences and Disorders, Criminal Justice and Legal Studies, Health Professions, and Public Administration.

The College fosters excellence in undergraduate and graduate education, research and community services in health, social and justice services. In addition to a PhD program in Public Affairs and in Nursing, the College houses both undergraduate and graduate interdisciplinary programs that contribute to a solid educational foundation in public affairs.

General Requirements for the Bachelor’s Degree

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

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

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

Academic Advisement

Office of Undergraduate Student Services

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

The College of Health and Public Affairs Office of Undergraduate Student Services assists undergraduate students in understanding matters relating to college and university requirements and procedures as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to stay on track by taking the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office. Faculty advisors are assigned to students upon admission to their degree program in their academic department.

Programs and Degrees

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<tr>
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<tr>
<td>Cardiopulmonary Sciences</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
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<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
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<td>Health Information Management</td>
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<td>Health Sciences-Athletic Training</td>
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Department of Communication Sciences and Disorders
http://www.cohpa.ucf.edu/comdis
Chair: R. J. Lieberman; HPA2 101; 407-823-4798
Undergraduate Coordinator: Jamie Schwartz
Clinic Director: C. Harvey; Research Pavilion Suite 155; 407-249-4770

Faculty: Barrett, Brice, Carson, DiNapoli, Dreiling, Harvey, Hostetler, Kent-Walsh, Lieberman, Miller, Nye, Parsons, Ratusnik, Riess, Rivers, Rom-Lugo, Ruddy, Ryals, Schwartz, Secord, Utt, Vannyckeheghem, Whieldon

The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program in the Department of Communication Sciences and Disorders 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 a speech-language pathology or audiology assistant.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students should 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 Communicative Disorders, the Department offers an array of courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA)
Tracks: None
Minors: Communication Sciences and Disorders, Deaf Studies, American Sign Language
Certificates: American Sign Language, Language Development and Disorders

Department of Criminal Justice and Legal Studies
Chair: Dr. Bernard McCarthy; HPA 311; 407-823-2603
Faculty: Applegate, Bast, Bohm, Cherry, Cook, Craig, Eastep, Fabianic, Flagg, Flint, Flower, Ford, Grisell, Holmes, Kirby, Lanier, Lucken, Mahan, B.J. McCarthy, B.R. McCarthy, Milon, Myers, Novogroski, Paoline, Ponte, Randall, Reynolds, Ross, Ruiz, Sanborn, Scott, Slaughter, Surette, Watkins, Winton, Wolf, Wood

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.

Criminal Justice Program
Criminal Justice is a problem-based field of study which focuses on the nature of crime and crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

Legal Studies Program
The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or 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. The Department also supports Phi Alpha Delta, the professional law school fraternity. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Degrees: Criminal Justice (BA, BS, MS), Legal Studies (BA, BS)
Tracks: None
Minors: Criminal Justice, Legal Studies

Department of Health Professions
Chair: Diane M. Jacobs; HPA2 210; 407-823-2359

The Department of Health Professions offers baccalaureate programs which prepare students for professions in the fields of Cardiopulmonary Sciences (Respiratory Care), Health Information Management, Athletic Training, Health Services Administration, and Radiologic Sciences. The Department also offers a degree in Health Sciences - Pre-Clinical Allied Health Track for those planning to go on to a graduate clinical professional program.

The mission of the Department is to provide quality undergraduate and graduate academic, administrative, and clinical instruction with an accent on educating future leaders of the health care system. The Department seeks first to strengthen existing programs, as well as to identify and develop new programs that fulfill a documented need for health care resources and technology. Another goal is to foster the development of knowledge through research, publications, and scientific presentations. Finally, the Department seeks to provide continuing education for the health care community and consumer health education.

The programs in Cardiopulmonary Sciences, Health Information Management, and Radiologic Sciences require a minimum overall GPA of 2.5 for consideration for admission and the Athletic Training program requires a minimum overall GPA of 2.75. In addition, for admission a minimum grade of "C" (2.0) is required for prerequisite courses and required courses within the program. These programs are all accredited by their national professional associations and graduates are prepared to take the appropriate examination for certification.

Program in Cardiopulmonary Sciences
Director: Jeff Ludy; 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 CAAHEP of the American Medical Association. The cardiopulmonary sciences program is a limited access program and requires a separate application to the program submitted by February 1st of the year in which admission to the program is sought.

Degrees: Cardiopulmonary Sciences (BS)
Tracks: None
Minors: None

Program in Health Information Management
Director: Tom Falen; HPA2 210; 407-823-2369

Health Information Managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and
management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). This is a limited access program and requires a separate application to the program by March 1 of the year in which admission is sought. Graduates of the Health Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification exam. By successfully passing the exam, the graduate will be recognized as a Registered Health Information Administrator (RHIA).

**Degrees:** Health Information Management (BS)  
**Tracks:** None  
**Minors:** Health Information Management

**Program in Health Sciences-Athletic Training**  
**Director:** K. Schellhase; HPA2 124; 407-823-3463

The Program in Athletic Training at the University of Central Florida is a track in the Program in Health Sciences. The athletic training track is a six semester program where students complete 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an approved clinical instructor and certified athletic trainer. These local affiliation sites include high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Health Sciences – Athletic Training Track is eligible to take the National Athletic Trainer’s Association Board of Certification (BOC) Exam. By successfully passing the exam, the student will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required.

**Degrees:** Health Sciences (BS)  
**Tracks:** Athletic Training  
**Minors:** None

**Program in Health Sciences-Pre-Clinical Allied Health Track**  
**Director:** T. Falen; HPA2 210; 407-823-2369

This program is a preparatory program for Graduate Level Clinical Disciplines for the student who wishes to seek admission to graduate level clinical programs such as physical therapy, occupational therapy and physician assistant programs. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health, or Health Services Administration.

**Degrees:** Health Sciences (BS)  
**Tracks:** Generalist  
**Minors:** Health Sciences

**Program in Health Services Administration**  
**Director:** T. Falen; HPA2 210; 407-823-2369

The department offers a baccalaureate degree in Health Services Administration. The baccalaureate degree is designed for students who desire to study the business side of health care. The primary goal of the program in Health Services Administration is to prepare managers to direct a variety of health care organizations such as hospitals, HMO’s, clinics and any other organization involved in the delivery or management of health care services. The undergraduate curriculum is consistent with the curricular requirements of the Association of University Programs of Health Administration, stressing administration, policy and planning skills. A diverse health care community offers students a variety of internship experiences as well as providing placement opportunities upon graduation. Faculty are actively engaged in research relating to management, conflict resolution, occupational stress, outcome assessment and integrated delivery mechanisms.

People within the health care industry with associate of science degrees in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program providing a migration path from the clinical side of the health care industry to the leadership side. Students without a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

**Degrees:** Health Services Administration (BS, MS)  
**Tracks:** None  
**Minors:** Health Services Administration, Health Sciences

**Program in Radiologic Sciences**  
**Director:** T. J. Edwards III; HPA2 210; 407-823-2747

The University of Central Florida offers the only public accredited Bachelor of Science in Radiologic Sciences degree program in Florida. The Radiologic Sciences Program offers entry-level students the opportunity to specialize in conventional radiography and the advanced imaging modalities. Radiographers are integral members of the health care team dedicated to providing high quality patient care. Graduates are prepared to function as clinically competent radiographers and, with experience, advance to leadership positions in the profession.

The University of Central Florida also sponsors an A.S. to B.S. transfer program designed for ARRT certified Radiographers interested in combining their professional development with earning a baccalaureate degree in Radiologic Sciences. Didactic courses for the entry-level and the A.S. to B.S. transfer programs are offered in the classroom and on the internet. Additional information regarding the transfer program is provided in the “Articulated A.S. to B.S. Degree Programs” section of the catalog.

The primary role of radiographers is to perform medical imaging procedures for the diagnosis of disease and injury. The radiographer enjoys an interesting and challenging variety of examinations/procedures which may include conventional radiography, fluoroscopy, mammography, vascular imaging, computed tomography and magnetic resonance imaging. Employment opportunities are available in hospitals, imaging centers, and private physician offices. Career advancement opportunities include positions in advanced imaging.
The College of Health and Public Affairs

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 Arnold Palmer Hospital, Regional Medical Center, Orlando Health, Osceola Regional Medical Center, Orlando Regional Lucerne Hospital, Orlando MRI, Orlando Regional South Seminole Hospital, UCF Student Health Services and University Diagnostic Institute.

Degrees: Radiologic Sciences (BS)
Tracks: None
Minors: None

School of Nursing
Director: Jean D. Leuner; HPA 220; 407-823-2744
Faculty: Ahern, Ark, Blackwell, Brown, Bushy, Byers, Chen, Covelli, Dennis, Desmarais, Dorner, Dow, Gullo, Heglund, Hennig, Holcomb, Hoyt, Kiehl, Kjek, Ladores, Lafferty, LaManna, Lange, Leli, Mayer, Powell, Pelliccio, Peterson, Ruland, Sheplan, F. Smith, Lisa Smith, Sole, Stickney, Wink

The nursing curriculum leads to the Bachelor of Science in Nursing degree, the basis of professional nursing practice. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. 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. Students with a prior baccaulaurate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree Bachelor of Science in Nursing option.

Registered nurses licensed in Florida are eligible for admission into the RN to BSN Program at UCF. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the School of Nursing for specifics on the RN-BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, and Leesburg campuses. The RN-BSN is also offered via the Internet.

The goal of the MSN program is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Majors 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. Either a thesis or research scholarly project is required. Student must be a licensed Registered Nurse.

A certificate in Nursing and Health Professional Education is available for students with a baccalaureate 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 School of Nursing BSN and MSN programs are accredited by The Commission on Collegiate Nursing Education. The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the School of Nursing.

Degrees: Nursing (BSN) (MSN) (PhD)
Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, AS to BSN, RN to MSN
Minors: None

Department of Public Administration
Chair: Dr. Mary Ann Feldheim; HPA2 238; 407-823-2604
Faculty: Colby, Collins, Feldheim, Jurie, Korosec, Kapucu, Lawther, Liou, Morin, Rogers, Wang

The Department of Public Administration offers a variety of degrees, minors, and a certificate to provide students with a broad understanding of the public management or nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number. The Department prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with a major in Public Administration enables students to attain entry level positions in government and other nonprofit organizations, and subsequently to advance within their organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

The virtues of public sector employment are numerous. First, the range of employment opportunities is extraordinary and includes a variety of management and staff positions in city and county management, environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration, and emergency management, among others. Second, the salaries are generally highly competitive with private industry, despite common misconceptions to the contrary. Third, public sector employment provides people with the opportunity to “make a difference” for society and help individuals one at a time. Fourth, it provides a superior stability and continuity of career. Those seeking to work in or already employed in the nonprofit sector will find it booming as the intergovernmental system increasingly delegates the delivery of services to nonprofits.

Degrees: Public Administration (BA, BS, MPA, MNM)
Tracks: None
Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, American Humanities
Certificates: Nonprofit Management

School of Social Work
Director: Mary Van Hook; HPA1 204; 407-823-2114
Faculty: Abel, Allgood, J. Davis, L. Davis, Gammonley, Green, Harris, Jacinto, Kohn, Lawrence, Leon, Maiden, Turnage

The School of Social Work offers a professional degree program that is nationally accredited by the Council on Social Work Education. Its primary focus is the preparation of students for entry-level professional social work practice within diverse human service organizations such as hospitals, schools, correctional settings, public welfare departments, child placement organizations, community centers, and counselling agencies. The Social Work program is a limited access program that requires separate application to the School of Social Work.

The School of Social Work also offers the Certificates of Aging Studies (open to all majors), Children’s Services (open to SW majors only) and Addictions (open to SW majors only). The Aging Studies Certificate is an interdisciplinary program that helps prepare the students to meet the needs of the elderly citizens of Central Florida. The program may be of particular interest to students who are majoring in health sciences, psychology, social work, nursing or sociology. Other students, such as those majoring in business, physical education, or art education may also find the program valuable. The Certificate in Children’s Services (open to Social Work majors only) prepares social work students to respond to the special needs of children and families. The certificate is of special interest to students planning to work the field of child welfare or related areas. The Addictions Certificate (open to Social Work majors only) prepares students to work in the field of adult and adolescent substance abuse.

Degrees: Social Work (BSW, MSW)
Tracks: None
Minors: Aging Studies
Certificates: Addictions, Aging Studies, Children’s Services
COLLEGE OF OPTICS AND PHOTONICS

College of Optics and Photonics: CREOL and FPCE
Director: Eric W. Van Stryland; 407-823-6800;
E-mail: info@creol.ucf.edu; Website: http://www.creol.ucf.edu

The College of Optics and Photonics: CREOL and FPCE is a graduate school for research and education in optics, lasers, and photonics. It was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida's high technology-based industries.

CREOL (Center for Research and Education in Optics and Lasers) and FPCE (the Florida Photonics Center of Excellence) are the research arms of the The College of Optics and Photonics. The School offers Masters (MS) and Doctoral (PH.D.) Degrees in Optics. The College of Optics and Photonics CREOL has become an internationally recognized institute with 25 faculty members, 30 Ph.D. level research scientists, and 137 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 83,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $35 million in state-of-the-art equipment.

The research activities span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, and light matter interaction. These programs are supported by over $17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $18,000 to $27,500, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

The College has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program provides industry with benefits of cutting-edge research and access to the expertise and facilities of the College. Faculty members also team with Florida-based small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
College of Sciences

Interim Dean: Peter Panousis; CAS 190; 407-823-1997
Associate Dean: Michael Johnson; CAS 190; 407-823-3491
Associate Dean: Jack McGuire; CAS 190; 407-823-3684
Associate Dean: Haven Sweet; CAS 190; 407-823-2992

The College of Sciences, one of the largest academic units at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics and Actuarial Science; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 35 baccalaureate, graduate, and preprofessional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog: http://graduate.ucf.edu/currentGradCatalog/

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve a "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. 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.

A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Office of the Dean by the instructor. Additional coursework or an individual study program, consistent with the needs of the student, may be assigned and must be completed before the degree is granted.

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg; CNH 414; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in 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 about the major is provided by the department offering the major.

Prehealth Professions

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

Advisement

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

The Office of Academic Support and Information Services (OASIS) is the primary office for undergraduate academic assistance for both the College of Arts and Humanities as well as the College of Sciences. OASIS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission for suspended students, and graduation. Questions concerning University and College academic policies and requirements should be directed to OASIS. Questions concerning the requirements within a major or minor should be directed to the department offering the program. The student should contact the department early in his/her academic career. For additional information about OASIS, please visit our website.

Programs and Degrees

Title                  Degree
Actuarial Science     BS
Advertising/Public Relations BA
Anthropology           BA, MA, Minor
Astronomy             Minor
Biology                BS, MS, PhD, Minor
Biomolecular Sciences PhD
Chemistry              BS, MS, PhD, Minor
Communication         MA
Forensic Science       BS, MS
Interpersonal and Organizational Communication BA, Minor
Journalism            BA
Magazine Journalism    Minor
Mathematics            BS, MS, PhD, Minor
Mass Communication     Minor
Physics               BS, MS, PhD, Minor
Political Science      BA, MA, Minor
Psychology            BA, BS, MA, MS, PhD, Minor
Radio/Television       BA
Sociology             BA, MA, PhD, Minor
Statistics             BS, MS, Minor

Departments and Programs

Anthropology: Department
http://www.cas.ucf.edu/soc_anthro/
E-mail: anthropology@ucf.edu
Interim Chair: A. Chase;
PH 403; 407-823-2227

The Department offers a Bachelor of Arts in Anthropology, and provides supporting courses for Forensic Science. Students should consult with their departmental advisor early in their academic careers.

Degrees: Anthropology (BA)
Tracks: None
Minors: Anthropology, Anthropology in Multicultural Studies

Biology: Department
http://www.cas.ucf.edu/biology/
E-mail: biology@ucf.edu
Chair: David Borst; BL 301;
407-823-2141
Faculty: Bayer, Borst, Calestani, Fauth, Fedorka, Harris, Hoffman, Jenkins, Loguidice, Morrison-Sheltler, Nadeau, Noss, Osborne, Parkinson, Quigley, Quintana-Ascencio, Roth, Sotelo-Esteva, Stout, Sweet, Thomas, Vajravelu, Yoon, Watters, Waterman, Weishampel, Worth

Professors Emeritus: Ehrhart, Ellis, Kuhn, Koevenig, Snelson, and Taylor.

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a graduate Certificate in Conservation Biology, and a Ph.D. in Conservative Biology, and participates in an interdisciplinary Ph.D. program in Biomedical Sciences. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background opens career opportunities for graduates in areas outside of their particular degree program. Graduates are well prepared to further their education in professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a subspecialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study contracts.

Degrees: Biology (BS, MS, PhD)
The College of Sciences

Tracks:  Biology Pre-professional (BS)

Minors:  Biology

Chemistry: Department
http://www.cas.ucf.edu/chemistry
E-mail: chemstn@mail.ucf.edu
Chair:  Kevin D. Belfield;  MAP 317; 407-823-2246

Associate Chair and Undergraduate Coordinator: Cherie L. Geiger;  CH 325; 407-823-2135


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

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

Tracks:  Chemistry, Forensic Analysis, Forensic Biochemistry

Minors:  Chemistry

Communication: Nicholson School
http://www.cas.ucf.edu/communication
E-mail: communication@ucf.edu
Director:  M.A. Shaver;  COM 238; 407-823-2681


Faculty Emeriti:  Meeske, 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 Divisions each of which offer a Bachelor of Arts degrees. The degrees are:

1. Advertising/Public Relations. Provides theory and practice in both advertising and public relations.
2. Interpersonal & Organizational Communication. Provides knowledge, theory, and skills needed to understand and predict human communicative behavior.
3. Journalism. Provides theory and skills needed to gain employment in newspapers, magazines, and similar forms of mass communication.

A Master of Arts degree in Communication is offered.

Facilities

The Radio-Television Division has fully-equipped audio and video production facilities, a complete multi-camera television studio, an online radio station, and laboratories for interactive multimedia. The Journalism Division has computer labs and a digital darkroom. The Advertising/Public Relations Division has a computer writing lab. The Interpersonal/Organizational Communication Division has a presentation speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Division also has a small group laboratory equipped with audio/video record/playback.

Degrees:  Advertising/Public Relations (BA), Interpersonal & Organizational Communication (BA), Journalism (BA), RadioTelevision (BA)

Specializations:  Broadcast Journalism, Production, Broadcast Generalist, News Writing, Visual Communications, Editing

Minors:  Interpersonal Communication, Magazine Journalism, Mass Communication, Organizational Communication

Mathematics: Department
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Chair:  Zuhair Nashed;
 MAP 209; 407-823-0445

Faculty:  Andrews, Anthony, Cannon, Caron, Choudhury, Clarke, Damblyan, Dunlop-Pyle, Dutson, Griffiths, Han, Higgins, Ismail, Kassab, Katsevich, Kaup, Li, Martin, Mikusinski, Mohapatra, Nicholson, Ou, Pensky, Phillips, Qi, Reid, Ren, Richardson, Rodriguez, Rollins, Schober, Shvamoggi, Song, Sun, Tamasan, Tovbis, Vajravelu, Vartanian, Yong, Young, Zhao

The Department of Mathematics offers courses and programs which lead to a Bachelor of Science in Mathematics, a minor in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. students who desire to continue their education in graduate and professional schools; and
3. students who need to use advanced mathematics as a tool in their specialties.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. There are the usual service courses in pre-calculus and calculus along with strong programs in the upper division in the traditional areas of algebra and analysis and applied mathematics.

The department does not award credit by examination for courses which are regularly taught. Students who feel they know the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

Degrees:  Mathematics (BS, MS, PhD)

Tracks:  Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematics, Pure Mathematics

Minors:  Mathematics

Physics: Department
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Interim Chair:  Ralph Liebenthron;
 MAP 310; 407-823-2325

Associate Chair:  Lee Chow;
 MAP 315; 407-823-2333

Faculty:  Bhattacharya, Bindell, Bose, Braunstein, Britt, Brueckner, Campins, Chemyak, Chow, Del Barco, Efthimiou, Fernandez, Heinrich, Johnson, Khondaker, Kokouline, Leuenberger, Llewellyn, Luo, Martin, Montgomery, Mucciolo, Neighbor, Peale, Roldan-Cuenya, Saha, Schelling, Schulze, Tomner, Winningham.

Faculty Emeritus:  Brennen

Visiting Faculty:  Cooney, Dubey, Feltisyan, Ngwa, Zhmudsky.

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions that 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
The Department's research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and space science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

**Degrees:** Physics (BS, MS, PhD)

**Tracks:** General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy

**Minors:** Astronomy, Physics

### Political Science: Department

[http://www.cas.ucf.edu/politicalscience](http://www.cas.ucf.edu/politicalscience)

**E-mail:** politics@ucf.edu

**Chair:** R. Handberg;

**CNH 415; 407-823-2608**


The Department of Political Science seeks to:

1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where a knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives.

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

- Asian Studies: Contact Houman Sadri.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann.
- Global and International Studies: Contact Waltraud Q. Morales.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson or Annabelle Conroy.
- Space Studies: Contact Roger Handberg
- Women’s Studies: Contact Terri S. Fine or Annabelle Conroy.

**Degrees:** Political Science (BA, MA)

**Tracks:** American Politics, International Relations Comparative Politics, International Studies, Prelaw

**Minors:** Political Science, Political Science/Prelaw

### Psychology: Department

[http://www.cas.ucf.edu/psychology](http://www.cas.ucf.edu/psychology)

**E-mail:** psychology@ucf.edu

**Chair:** Dipboye;

**PH 302B; 407-823-2216**

**Associate Chair:** W. Wooten,

**PH 305E; 407-823-2216**


**Faculty Emeritus:** Abbott, Burroughs, Rollins

The Undergraduate Psychology Program has two primary missions; to prepare students for graduate training in psychology or related fields, and to provide the skills needed for students to apply the concepts and methods of psychology in their work, their communities, and their lives.

Students may pursue either a BA or a BS degree in Psychology. The BS option has more science and math-related requirements as well as additional courses in psychology research and statistical methods. As such, it is best for students planning to pursue a graduate degree.

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

**Tracks:** None

**Minors:** Psychology, Behavioral Forensics Certificate

### Sociology: Department

[http://www.cas.ucf.edu/soc.anthro](http://www.cas.ucf.edu/soc.anthro)

**Chair:** J. Corzine;

**PH 403B; 407-823-2227**

**Associate Chair:** D. Gay

**Faculty:** Bradatan, Campbell, Cook, Corzine, Dees, Dietz, Dupras, Ford, Gay, Goldstein, Huff-Corzin, Jasinski, Lynxwiler, Marshall, Morris, Mustaine, Rivers, Sikorska-Simmons, Wright, Zorn

The Department offers a Bachelor of Arts in Sociology. Students should consult with their departmental advisor early in their academic careers.

**Degrees:** Sociology (BA, MA)

**Tracks:** Domestic Violence (MA)

**Minors:** Sociology

### Statistics and Actuarial Science: Department


**Interim Chair:** D. Nickerson;

**CCIL 206; 407-823-5528**

**Faculty:** Carta, Cutchins, Gau, Han, Johnson, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang, You

The Department of Statistics and Actuarial Science offers courses and programs leading to a Bachelor of Science in Statistics, a Bachelor of Science in Actuarial Science, a minor in Statistics, and a Master of Science in Statistical Computing with tracks in Data Mining and Actuarial Science. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate programs in statistics and actuarial science are designed to serve 1) students who desire to pursue careers in statistics or actuarial science after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics or actuarial science as tools in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics and Actuarial Science have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, statistical computing, and actuarial science. A limited number of assistantships are available for qualified graduate and undergraduate students.

**Degrees:** Statistics (BS, MS), Actuarial Science (BS, MS Track)

**Tracks:** None

**Minors:** Statistics
Rosen College of Hospitality Management

Dean: Abraham Pizam; 9907 Universal Boulevard, Suite 231-H
Orlando, Florida 32819; 407-903-8000

Associate Dean: Stephen LeBruto; 9907 Universal Boulevard, Suite 231-A; 407-903-8015

Faculty: Ashley, Breiter, Chen, Croes, Dickson, DiPietro, Fisher, Fjelstul, Hara, Iskat, Juge, Jung, Kaufman, Krebs, Logan, Marshall, Milman, Muller, Murphy, Naipaul, Okumus, Rompf, Severt, Tesone, Upchurch, Wang

Website: www.hospitality.ucf.edu

The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for managerial careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities. It is the destination for over 45 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

The curriculum is designed to prepare students for a broad range of managerial roles across the hospitality industry. It provides both academic preparation and practical experiences that students will need to enter and succeed in a hospitality management career. Students also have the opportunity to experience the work world in hospitality through an internship requirement and through extensive contact with leading hospitality managers in the Central Florida area.

The 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.
- 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 Foodservice Management (BS)

Minor: Hospitality Management

Tracks: Event Management; Vacation Ownership Resort Management; Theme Park and Attraction Management; Tourism Management; Lodging Management; Hospitality Financial Management and Technology; Golf Management
The Office of Undergraduate Studies

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

Liberal & Interdisciplinary Studies
Classroom Bldg I, Suite 302
E-mail: ls@mail.ucf.edu
Director: Elliot Vittes; 407-823-0114
Program Contact: The Liberal Studies Advising Team
Academic Advisors: Karen Cox, Lee Logan, Linda Skrotsky, Sandra Tabert;

The Liberal Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study that include twelve different areas plus minor degree programs. The degree includes seven different tracks: Liberal Studies, Liberal Arts, Computer Information Technology, Environmental Sciences, Nanoscience & Nanotechnology, Articulated A.S. to B.S., and Women’s Studies.

Degrees: Liberal Studies (BA, BS, MA, MS), Social Sciences BS
Tracks: Liberal Studies, Liberal Arts, Environmental Studies, Women’s Studies, Computer Information Technology, Nanoscience & Nanotechnology, Articulated A.S. to B.S.
Minors: Environmental Studies, Social Sciences Interdisciplinary
Certificates: Cultural Tourism

Social Sciences: Program
Classroom Bldg I, Suite 302
Contact Program: Liberal Studies Advising, 407-823-0144

The Social Sciences program offers students an opportunity to become acquainted with the various fields of the Social Sciences and to better understand the relationships between those fields. Satisfactory completion of the program leads to the Bachelor of Science degree with a major in Social Sciences.

Degrees: Social Sciences (BS)
Tracks: None
Minors: Social Sciences-Interdisciplinary
Accounting
Actuarial Science
Advertising/Public Relations
Aerospace Engineering
Animation
Anthropology
Applied Science (BAS) A.S. to B.S. Track
Art (BA, BFA)
Art - Animation Track
Art - History Track
Art - Studio Track
Art Education
Biology
Biological Sciences (B.S.) A.S. to B.S. Track
Biomedical Engineering - Biomedical Engineering Concentration
Biomedical Science
Biomedical Science - Preprofessional Concentration
Biomedical Science - Health Careers
Biomedical Science - Biomedical Science Concentration
Biomedical Science - Preprofessional
Biomedical Science - Preprofessional Concentration
Biomedical Science - Physics/Bimodal Concentration
Biotechnology
Biotechnology - Preprofessional Concentration
Biology
Biochemistry
Biocommunication Disorders
Biocommunication Disorders - Preprofessional Concentration
Computer Engineering
Computer Engineering - Software Engineering Concentration
Computer Science
Computer Science - Accelerated Undergraduate-Graduate Program
Computer Science - Computer Science Concentration
Computer Science - Computer Science Concentration
Electrical Engineering
Electrical Engineering - Microelectronics Concentration
Electrical Engineering Technology
Electrical Engineering Technology - Computer Systems Concentration
Electrical Engineering Technology - Electrical Systems Concentration
Electrical Engineering Technology A.S. to B.S.E.E. Track
Electrical Engineering Technology - Photonics Track (B.S.E.E.T.)
Elementary Education
Engineering Education - Design Concentration
Engineering Education - Operations Concentration
Engineering Education - Space Systems Concentration
English - Creative Writing
English - Literature
English - Technical Writing
English Language Arts Education
Environmental Engineering
Event Management
Exceptional Student Education
Film - B.F.A.
Film - Cinema Studies Track
Film - World Cinema Track
Finance
Foreign Language Education - French
Foreign Language Education - Spanish
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track
French
General Business
General Business - A.S. to B.S. Track
Health Information Management
Health Sciences - Athletic Training Track
Health Sciences - Generalist Track
Health Services Administration
History
History - Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management A.S. to B.S. Track
Humanities
Humanities - Popular Culture Track
Religious Studies
Industrial Engineering
Informational Systems Technology - A.S. to B.S. Track
Information Systems Technology
Information Technology
Interpersonal Communication
Journalism
Legal Studies
Liberal Studies
Liberal Studies - Computer Information Technology Track
Liberal Studies - Environmental Studies Track
Liberal Studies - Liberal Arts Track
Liberal Studies - Nanoscience & Nanotechnology Track
Liberal Studies - Women's Studies Track
Liberal Studies - Accelerated Undergraduate-Graduate Program
Liberal Studies - A.S. to B.S. Track
Management
Management Information Systems
Marketing
Mathematics - Applied Track
Mathematics - Computational Track
Mathematics - Engineering/Physics Track
Mathematics - Pure Track
Mathematics Education
Mechanical Engineering
Medical Laboratory Sciences
Modern Language Combination
Molecular Biology and Microbiology
Music
Music Education
Music Performance
Nursing
Nursing - R.N. to B.S.N. Track
Nursing - R.N. to M.S.N. Track
Nursing Accelerated Second Degree B.S.N. Option
Nursing - A.S. to B.S.N. Track
Organizational Communication
Philosophy
Photography
Philosophy, Religion and Popular Culture
Physical Education
Physics
Political Science
Political Science - International Studies Track
Political Science - Prelaw Track
Psychology (B.A. & B.S.)
Public Administration
Radio - Television
Radiologic Sciences
Radiologic Sciences - A.S. to B.S. Track
Real Estate
Religious Studies
Restaurant and Foodservice Management
Science Education - Biology
Science Education - Chemistry
Science Education - Physics
Social Sciences
Social Science Education
Social Work
Sociology
Spanish
Sports and Fitness
Statistics
Technical Education and Industry Training
Theatre (B.A. & B.F.A.)
Theatre - Musical Theatre Track
Women's Studies
ACCOUNTING (B.S.B.A.)
College of Business Administration, BA2 101, 407-823-2184
http://www.bus.ucf.edu

Admission Requirements
- Completion of the General Education program at UCF, a Florida Public Community College, or a Florida Public University
- See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program (min 36 hrs)

   A. Communication Foundations (9 hrs)
   - Communication Foundations
   - Required: SPC 1600

   B. Cultural and Historical Foundations (9 hrs)
   - Cultural and Historical Foundations

   C. Mathematical Foundations (3 hrs)
   - Select MAT 1105 College Algebra

   D. Social Foundations (3 hrs)
   - Select COS 2100CC Computer Fund. for Bus or COS 2100CC Microeconomics

   E. Science Foundation (6 hrs)
   - Select one: PSY 2012, SYG 2000, ANT 2000

2. Common Program Prerequisites

   Must be completed with a “C” (2.0) or better
   - ACB 2021 Principles of Financial Accounting
   - ACB 2071 Principles of Managerial Accounting
   - ECO 2013 Microeconomics
   - ECO 2023 Macroeconomics
   - *ECO 3401 Quantitative Business Tools I
   - *CGS 2100CC Computer Fundamentals for Business

   * At UCF, students who have completed MAC 2233 and STA 2023 will be waived
   from ECO 3401. Students who have not completed both classes with a “C” (2.0)
or better must take ECO 3401.

3. Common Body of Knowledge (30 hrs)

   First or subsequent semester in the College of Business Administration:
   - GEB 3031 Intro to International Business 3 hrs
   - ECO 3411 Quantitative Business Tools II 3 hrs
   - FIN 3403 Business Finance 3 hrs
   - MAN 3025 Management of Organizations 3 hrs
   - ISM 3011 Essentials of Management/Information Systems 3 hrs
   - MAR 3023 Marketing 3 hrs
   - BUL 3130 Legal and Ethical Environment of Business 3 hrs

   Last Semester:
   - MAN 4720 Strategic Management 3 hrs

4. Special College and/or Departmental Requirements

   - Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411) count towards this 60 hour requirement.
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Students must have a “C” (2.0) or better in each common program prerequisite class.
   - A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
   - Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek readmittance as an accounting major in the UCF College of Business Administration.
   - 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. Foundation (Required) (12 hrs)

   - ACB 3121 Financial Accounting Concepts and Analysis 3 hrs
   - ACB 3361 Intermediate Managerial Accounting 3 hrs
   - ACB 4401C Accounting Information Systems 3 hrs
   - TAX 4001 Taxation of Business Entities and Transactions 3 hrs

6. Area Specialization/Concentration Requirements (9 hrs)

   Select one set from the following area specialization options:

   A. Public Accounting
   - ACB 3314 Intermediate Financial Accounting 3 hrs
   - ACB 3501 Accounting and Auditing in the Public Sector 3 hrs
   - ACB 4651 Auditing 3 hrs

   B. Managerial Accounting
   - ACB 4671 Internal Auditing 3 hrs
   - ACB 5346 Intermediate Managerial Accounting 3 hrs
   - FIN 3414 Intermediate Corporate Finance 3 hrs

   C. Accounting Information Systems
   - ACB 4671 Internal Auditing 3 hrs
   - ACB 5405 Advanced Accounting Information Systems 3 hrs
   - ISM 3253 MIS Techniques 3 hrs

   D. Governmental and Not-For-Profit Accounting
   - ACB 3501 Accounting and Auditing in the Public Sector 3 hrs
   - ACB 4671 Internal Auditing 3 hrs
   - ACB 5517 Financial Accounting and Auditing for Governmental and Nonprofit Organization 3 hrs

   E. General Accounting
   - Select one additional financial reporting course:
     - ACB 3141 Intermediate Financial Accounting or 3 hrs
     - ACB 3501 Accounting and Auditing in the Public Sector 3 hrs
     - Select one auditing course:
       - ACB 4651 Auditing 3 hrs
       - ACB 4671 Internal Auditing 3 hrs
     - Select one additional accounting course from the Restricted Electives listed below

   Note: Course substitutions in any area require approval by the Director, School of Accounting. A grade of “B” or better in pre-requisite course required to take graduate level courses and a minimum GPA of 2.75.

7. Restricted Electives (3 hrs)

   Students may choose among the following accounting and accounting-related business courses:

   - ACB 3141 Intermediate Financial Accounting 3 hrs
   - ACB 3501 Accounting and Auditing in the Public Sector 3 hrs
   - ACB 4401C Accounting Information Systems 3 hrs
   - ACB 4651 Auditing 3 hrs
   - ACB 4671 Internal Auditing 3 hrs
   - ACB 4932 Approved Special Topics Courses in Accounting 3 hrs
   - ACB 4970H** Honors Thesis in Accounting 3 hrs
   - TAX 4001 Taxation of Business Entities 3 hrs
   - ACB 5346 Advanced Managerial Accounting 3 hrs
   - ACB 5405 Advanced Accounting Information Systems 3 hrs
   - ACB 5517 Governmental and Nonprofit Accounting 3 hrs
   - BUL 3332 Advanced Business Law Topics 3 hrs
   - ISM 3253 MIS Techniques 3 hrs
   - ISM 3212C Database Management Systems 3 hrs
   - TAX 5015 Advanced Taxation Topics 3 hrs

   (HPA electives to be added for Governmental Specialization)

   **Enrollment restricted to students accepted into the Honors in the Major Program

8. Honors in the Major (6 hrs)

   Eligibility: Requirements for admission to Honors in the Major are:

   - completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at
UCF Degree Programs

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 4021* Directed Readings in Accounting or 3 hrs
- *ACG 4020H* Honors Seminar in Accounting 3 hrs plus
- ACG 4907H Honors Thesis in Accounting 3 hrs
- With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

9. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Students pursuing a Bachelor of Arts Degree may substitute American Sign Language for the foreign language exit requirement, except where one or more foreign languages have been specified by a college, school, or program for a specific degree.

Graduation: none

10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in 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 hours

CPA Examination Requirements

Effective August 31, 1983, Florida Law states that to qualify to sit for the CPA exam, one must possess thirty (30) additional semester hours of credit beyond the minimum requirements for the baccalaureate degree. In addition to this overall educational requirement, the following specific criteria also apply:

- 36 hours in accounting beyond elementary, including coverage of financial accounting, auditing, cost and managerial accounting, and taxation.
- 39 hours in general business, including at least 6 hours of business law.

Because of these increased educational requirements, no experience or additional course work is needed for certification. To satisfy the necessary coursework required by the law, the School of Accounting offers the Master of Science in Accounting (MSA) and the Master of Science in Taxation (MST) degree programs. Please see the Graduate Catalog for program requirements. For additional information about the department, curriculum, faculty, events, and careers in accounting, students are invited to visit our department home page at: http://www.bus.ucf.edu/aacc/

Community/Junior College Transfer Notes

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, 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.
- Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

SUGGESTED FOUR YEAR PLAN OF STUDY - ACCOUNTING

Freshman

1st Term: 15 hrs
- ENC 1101* 3
- Cult-Hist I* 3
- MAC 1105* 3
- Psy/Syg/Ant 3
- Science 3

2nd Term: 15 hrs
- ACG 4903 3
- ACG 4904H Honors Seminar in Accounting 3 hrs plus
- ACG 4907H Honors Thesis in Accounting 3 hrs
- * With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

Sophomore

1st Term: 15 hrs
- ENC 1102 3
- Cult-Hist II* 3
- Art/Music/Lit 3
- Science 3

2nd Term: 15 hrs
- ACG 2021* 3
- ACG 2071* 3
- **Elective 3**
- **Elective 3**

3rd Term: 15 hrs
- ECO 2013* 3
- **Elective 3**
- **Elective 3**

4th Term: 15 hrs
- **Elective 3**
- **Elective 3**
- **Elective 3**

** Accounting majors must have a “C” (2.0) or better grade required in each class.

Junior

1st Term: 15 hrs
- GEB 3031 6
- **BUL 3130 3
- **ISM 3011 3
- **ACG 3111 3
- **ACG 4011C 3
- **ACG 3361 3

2nd Term: 15 hrs
- ACG Specialization 3
- FIN 3403 3
- **ACG Specialization 3
- **ACG Restricted Elective 3
- MAR 3023 3

Senior

1st Term: 15 hrs
- **Tax 4001 3
- ACG Specialization 3
- **ACG Specialization 3
- **ACG Restricted Elective 3
- MAR 3023 3

2nd Term: 15 hrs
- ACG Specialization 3
- ACG Specialization 3
- **ACG Restricted Elective 3
- **ACG Restricted Elective 3

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

Nizam Uddin, 407-823-2692

Admission Requirements

Students must apply for admission to the Actuarial Science Concentration by March 15 of the Spring semester two years prior to expected graduation. Transfer students expecting to graduate in less than two years should apply immediately upon admission to UCF.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
1. UCF General Education Program (36 + 3 hrs)

Note: Certain courses must be selected in the GEP for the major which brings the GEP above 36

A. Communication Foundations
   - 9 hrs
B. Cultural and Historical Foundations
   - 9 hrs
C. Mathematical Foundations
   - 7 hrs
D. Social Foundations
   - 6 hrs
E. Science Foundations
   - 8 hrs

2. Common Program Prerequisites (14 hrs)

   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 4 hrs
   - 4 hrs

*See Transfer Notes for possible substitutes

3. Core requirements (53 hrs)

   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 4 hrs
   - 9 hrs
   - 4 hrs
   - 4 hrs
   - 4 hrs
   - 3 hrs
   - 4 hrs

4. Restricted Upper Division Electives (6 hrs)

   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs
   - 3 hrs

   - See Transfer Notes for possible substitutes

5. Departmental Exit Requirements

   - A grade of “C” (2.0) or better in each STA course.
   - Computer competency met by COP 3502C.

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

UCF Degree Programs

- Mathematics, Mathematics Education, Statistics
- Statistics, Mathematics

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3502C*: any COP programming language course.
- However, COP 3502C is a prerequisite for Computer Sciences courses and may need to be taken.
- BSC 2011C*: any laboratory BSC, CHM, or PHY course.
- However this is a prerequisite for BSC 2011C and will need to be taken.

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer

- Math test See catalog

Freshman Year

   - Fall
   - ECO 2013 Prin of Macroeconom 3
   - ENC 1101 Composition I 3
   - MAC 2311 Cal Anal Geo I 3
   - STA 2023 Stat Methods I 3

   - Spring
   - ENC 1102 Composition II 3
   - ECO 2013 Prin of Microeconom 3
   - MAC 2312 Cal Anal Geo II 3
   - STA 2023 Stat Methods II 3

Sophomore Year

   - Fall
   - ENC 1010 Composition I 3
   - ENC 2023 Prin of Microeconom 3
   - MAC 2311 Cal Anal Geo I 3
   - STA 2023 Stat Methods I 3

   - Spring
   - ENC 1012 Composition II 3
   - ECO 2013 Prin of Macroeconom 3
   - MAC 2312 Cal Anal Geo II 3
   - STA 2023 Stat Methods II 3

Junior Year

   - Fall
   - FIN 3403 Business Finance 3
   - STA 4183 Theory of Interest 3
   - MATH 3305* req# 3a-Core 4
   - STA 4942 Practicum Act Sci 3

   - Spring
   - STA 4187 Theory of Graduation 3
   - STA 4963 Actuarial Statistical Methods 3
   - MATH 3305* req# 3b-Core 4

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Students should apply to become Advertising/Public Relations Limited Access program.
Contact: Bob Davis
http://www.cas.ucf.edu/communication
College of Sciences
Nicholson School of Communication, COM 250 407-823-2829
E-mail: ad-pr@ucf.edu
Contact: Bob Davis
Limited Access program.
Admission Requirements
- Students should apply to become Advertising/Public Relations majors only after completing all requirements for admission. Deadlines are:
  - October 1 to be admitted the next Spring term
  - February 1 to be admitted the next Summer term
  - July 1 to be admitted the next Fall term
- Admission is based on multiple factors, not strictly GPA.
- Students with an overall minimum 2.5 GPA based on a minimum of 45 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies somewhat with the quality of applicants, but for previous acceptance periods, the minimum GPA did not drop below 3.3.
- Have acceptable keyboard skills.
- Receive a positive evaluation of other factors specified by the School.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor's approval
- Students should consult with a departmental advisor
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 of the 120 hours may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum
- A maximum of six credit hours of internship may be earned in one semester. A total of nine credit hours of internship may be earned within the 120 credit hours required for graduation
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      Select ENC 1101 & ENC 1102 6 hrs
      Select SPC 1600 or SPC 1016 3 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      - Prefer MGF 1106 (may substitute a higher level math) 3 hrs
      - Select STA 2014C 3 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites (0 hrs)
   Select one course
   - SPC 1016 Fund of Technical Presentations
   - SPC 1600 Fund of Oral Communication

3. Core requirements (27 hrs)
   - STA 2014C Principles of Statistics GEP
   - ADV 3000 Principles of Advertising 3 hrs
   - ADV 4101 Advertising Copywriting 3 hrs
   - COM 3110 Business and Prof Communication 3 hrs
   - COM 3311 Communication Research Methods 3 hrs
   - MMC 4254 Ad/PRCampaigns 3 hrs
   - MMC 4300 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 1060C or departmental assessment.

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
   - 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: Marketing
Related Minors: Business, Marketing, Psychology

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
   ENC 1101 Composition I 3 hrs
   MGF 1106 req# 1C1-GEP 3 hrs
   Elective* Check restrictions 3 hrs
   Select one course 3 hrs

Spring
   ENC 1102 Composition II 3 hrs
   COMP 2104 req# 1D1-GEP 3 hrs
   Elective* Check restrictions 3 hrs
   Select one course 3 hrs

Sophomore Year
Fall
   BSC 1005 req# 1E2-GEP 3 hrs
   UNF 2001 req# 1B3-GEP 3 hrs
   MTH 2010 req# 1D1-GEP 3 hrs
   SPC 1600 req# 1A3-GEP 3 hrs
   Restricted* req# Res Elect 3 hrs
   Select one course 3 hrs

Spring
   CHM 1020 req# 1E1-GEP 3 hrs
   CMSC 2014 req# 1B3-GEP 3 hrs
   Restricted* req# Res Elect 3 hrs

Application See catalog
### AEROSPACE ENGINEERING (B.S.A.E.)

**College of Engineering and Computer Science**  
**Mechanical, Materials & Aerospace Engineering**  
**Department,**  
**ENGR 307, 407-823-2416; Fax 407-823-0208**  
**http://www.mmae.ucf.edu**  
**Undergraduate Advisor:** Waheecha Illasari

#### Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes; see also the section, Orientation, found elsewhere in this catalog.

#### 1. UCF General Education Program for (36+2 hrs) Engineering Students

The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

**A. Communication Foundations**  
1. ENC 1101 & ENC 1102  
2. Cultural or Technical Elective  
3. Select two courses from Historical Foundations  
4. Select STA 2033 or STA 2033L  
5. Select STA 3022  
6. Select STA 3022L  

**B. Cultural and Historical Foundations**  
1. Select two courses from Historical Foundations  
2. Select PHY 2048/48L, PHY 2049/49L, or MAC 2312  
3. Select MAC 2311 or MAC 2313  
4. Select STA 2033 or STA 2033L  
5. Select STA 3022 or STA 3022L  

**C. Mathematical Foundations**  
1. Select MAC 2311L, MAC 2311L (CH 1045C/L), MAC 2311L  
2. Select STA 2033 or STA 2033L  
3. Select STA 3022 or STA 3022L  

**D. Social Foundations**  
1. Select two courses from Social Foundations  
2. Select CHS 1440  
3. Select MAC 2311L  
4. Select MAC 2313L  
5. Select MAC 2313L  
6. Select PHY 2048/L  
7. Select PHY 2049/L  
8. Select EN 1011  
9. Select EN 1012  

**E. Science Foundations**  
1. Select two courses from Science Foundations  
2. Select two courses from Science Foundations  
3. Select two courses from Science Foundations  
4. Select two courses from Science Foundations  
5. Select two courses from Science Foundations  
6. Select two courses from Science Foundations  
7. Select two courses from Science Foundations  
8. Select two courses from Science Foundations  
9. Select two courses from Science Foundations  

**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 2048/49L also satisfy UCF GEP sub-requirements as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

**CHS 1440** Fundamentals of Chemistry for Eng (CHM 2045C/L, will substitute)  
1. MAC 2311 Calculus with Analytic Geometry I  
2. MAC 2312 Calculus with Analytic Geometry II  
3. MAC 2313 Calculus with Analytic Geometry III  
4. MAP 2302 Differential Equations  
5. PHY 2048/49L Physics for Engineers & Scientists I  
6. PHY 2049/49L Physics for Engineers & Scientists II  
7. ENC 1101 Composition I  
8. ENC 1102 Composition II  
9. Humanities Courses (CHS 2440, CHS 2445, EN 1011, EN 1012, MAC 2311, MAC 2312, MAC 2313, MAP 2302, PHY 2048/49L, PHY 2049/49L, ENC 1101, ENC 1102, MAC 2311L, MAC 2313L, MAC 2313L)  

**4. Approved Technical Electives**  
(9 hrs) Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

**5. Departmental Graduation Requirements**  
(6 hrs) these courses, together with the senior design courses listed in 5. below.

**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

#### UCF Degree Programs

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Fall</td>
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<tr>
<td>ADV 3000 Principles of Ad</td>
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<tr>
<td>COM 3110 Bus Prof Com</td>
<td>3</td>
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<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>3</td>
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<tr>
<td>MAP 2302 Differential Equations</td>
<td>3</td>
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<tr>
<td>PHY 2048/49L Physics for Engineers &amp; Scientists I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
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<tr>
<td>Humanities Courses</td>
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<tr>
<td>Social Science Courses</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Fall</th>
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<tbody>
<tr>
<td>ADV 4101 Ad Copywriting</td>
<td>3</td>
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<tr>
<td>COM 3110 Bus Prof Com</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>3</td>
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<tr>
<td>MAP 2302 Differential Equations</td>
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<td>3</td>
</tr>
<tr>
<td>Social Science Courses</td>
<td>3</td>
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</tbody>
</table>

**3. Courses Required for the Major** (56 hrs) The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

**EGN 1006C** Intro to the Engineering Profession 1 hr  
**EGN 1111C** Engineering Computer Graphics 2 hrs  
**EGN 1007C** Engineering Concepts & Methods 1 hr  
**EGN 3310** Engineering Analysis - Statics 3 hrs  
**EGN 3321** Engineering Analysis - Dynamics 3 hrs  
**EGN 3343** Thermodynamics 3 hrs  
**EMR 3706** Structure & Properties of Aerospace Materials 3 hrs  
**EGN 3373** Principles of Electrical Enginnering 3 hrs  
**STA 3032** Probability & Statistics for Engineers 3 hrs  
**EAS 3101** Fundamentals of Aerospace Flight 3 hrs  
**EAS 3102** Fundamentals of Aerodynamics 3 hrs  
**EAS 3800C** Aerospace Engineering Measurements 2 hrs  
**EAS 3810C** Design of Aerospace Experiments 2 hrs  
**EAS 4105** Flight Mechanics 3 hrs  
**EAS 4134** High-Speed Aerodynamics 3 hrs  
**EAS 4200** Flight Structures 3 hrs  
**EAS 3530** Space Systems Concepts or  
**EAS 4400** Spacecraft Attitude Dynamics or  
**EAS 4505** Orbital Mechanics 3 hrs  
**EAS 4300** Aerothermodynamics-Propulsion Sys 3 hrs  
**EML 3934C** Modeling Methods in MMAE 3 hrs  
**EML 4312C** Feedback Control 3 hrs  
**EGN 3501** Solid Mechanics 3 hrs  
**EAS 4210C** Space Structural Design 3 hrs

**4. Approved Technical Electives**  
(9 hrs) Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

**5. Departmental Graduation Requirements**  
(6 hrs) these courses, together with the senior design courses listed in 5. below.

**6. Foreign Language Requirements**  
(0-8 hrs) Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** none

**7. University Minimum Graduation Requirements**  
A 2.0 UCF GPA.  
60 semester hours earned after any CLEP award.  
48 semester hours of upper division credit completed.  
30 of the last 36 hours of course work must be completed in residency at UCF.  
25% of course work must be completed in residency at UCF.  
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

**Total Semester Hours Required:** 128 hrs

**Related Programs:** Mechanical Engineering.  
**Related Minors:** Space Studies, Intelligent Robotic Systems, Engineering Leadership & Management.  

**Transfer Notes:**  
- Courses taken from Community Colleges do not substitute for Upper Division Courses  
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.  
- EGN 1006C and EGN 1007C are required courses for incoming
Aerospace Engineering 128 semester hours required

FIRST YEAR
Fall
*ENC 1101 English Comp I 3
*CHS 1440 Chem for Eng or
*CHM 2045C w/lab 3
MAC 2311 Calculus I 4
*PHY 2048 Phys Eng/Sci I w/lab 4
EGN 1000C Intro to Eng Prof 1
EGN 1111C Eng Comp Graphics 2

Spring
10hrs
*EGN 1007C - Engr Conc/Meth 1
*CHM 2312 Calculus II 4
*PHY 2049 Phys Eng/Sci II w/lab 4
EGN 1006 Intro to Eng Prof 1
EGN 1111C Eng Comp Graphics 2

SECOND YEAR
Fall
*Historical Foundations 3
*MAP 2302 Diff Equations 3
*PHY 2049 Phys Eng/Sci II w/lab 4
EGN 3310 Eng Anal - Statics 3

Spring
*EGN 1007C - Engr Conc/Meth 1
*EAS 3810 Fundamentals of Aerospace Mat'l 3
*Social Foundations 3

THIRD YEAR
Fall
*CHS 1440 Chem for Eng 3
*MAC 2513 Calculus III 4
*EMA 3706 Struct & Prop of Aerospace Mat'l 3

Spring
9 hrs
*EAS 3530 Space Sys Concepts 3
* Historical Foundations 3

FOURTH YEAR
Fall
ELM 3034C Model Meth's MMAE 3
EAS 3010 Fund of Aerospace Flight 3
EAS 3800C Aero Eng Msr 2
Science Foundation 3
EAS 4200 Flight Structures 3

Spring
15hrs
*EAG 3101 Fund of Aerodynamics 3
*EAS 3810C Design Aerospace 3
*EAS 4210C Space Structural Dyn 3
*EAS 4710C Aerosp Design II 3
*EAS 4700C Aerosp Design I 3
 genom #412 Interdisciplinary Design I 3
Approved technical elective 3
Approved technical elective 3

Notes:
- Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
- Students should view the MMAE website (www.mmae.ucf.edu) or consult with the MMAE Department in ENGR 307 for a list of approved technical electives and for the terms when specific courses of this type are to be offered. Students should check with MMAE Associate Chairman each semester to ensure they are making satisfactory progress toward their degree.
- The State University System requires most students to complete a minimum of nine semester hours during summer terms prior to graduation. See the section on Summer Attendance Requirement elsewhere in this catalog.
- Aerospace engineering students must earn at least 32 hours in residence at UCF.

IMPORTANT NOTICE
- Certain courses required for this major serve as key prerequisites or are offered in specific terms. Any deviation from the four-year plan should be discussed with an academic advisor. Failure to take courses as listed may result in a delay in the date of your graduation.
- Caution must be taken to ensure that you take courses in a proper sequence regarding prerequisites.

If you do not have a higher level programming language background you must take a course in this area prior to taking EML 3034C ("C" or FORTRAN recommended).
- If you are not ready to begin the calculus sequence upon entry to the Aerospace Engineering curriculum it is imperative that you meet with your advisor to plan a personalized program of study. Mathematics and physics are cornerstones of a quality engineering program and it is important for your academic career that you proceed accordingly.

Integrated Accelerated BS/MS Degree Program
The Mechanical, Materials, and Aerospace Engineering Department offers the Accelerated BS/MS program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

ANIMATION TRACK in ART
See Art - Animation Track

ANTHROPOLOGY (B.A.)
College of Sciences
Department of Sociology and Anthropology, PH 403, 407-823-2227, http://www.cas.ucf.edu/soc_anthro
E-mail: anthropology@ucf.edu
Contact: A. Chase, 407-823-2227
The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations associated with the Maya culture in the Central American country of Belize.

Admission Requirements:
- None

Degree Requirements:
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department
- Students must maintain a grade of "C" (2.0) or better in all courses used for the major
- Co-op or internship credit cannot be used in the major without prior approval
- Students should consult with a departmental advisor
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program
   - A. Communication Foundations (9 hrs)
   - B. Cultural and Historical Foundations (9 hrs)
   - C. Mathematical Foundations (9 hrs)
   - D. Social Foundations
     - 1. Select a listed course (3 hrs)
     - 2. Select ANT 2000 (3 hrs)
   - E. Science Foundations
     - 1. Select a listed course (3 hrs)
     - 2. Select ANT 2511 (3 hrs)

2. Common Program Prerequisites
   - ANT 2000† General Anthropology (0 hrs) GEP
   - ANT 2511† The Human Species (0 hrs) GEP
   *See Transfer Notes for possible substitutes

3. Core Requirements: Lower Level (6 hrs)
   - ANT 2100 Arch & the Rise of Human Cult (3 hrs)
   - ANT 2410 Cultural Anthropology (3 hrs)

4. Core Requirements: Upper Level (12 hrs)
   - All students are required to take the following upper level courses in the four subdisciplines of Anthropology:
     - ANT 3145 Archaeology of Complex Societies (3 hrs)
     - ANT 3640 Language and Culture (3 hrs)
Graduation

Admission: Met by graduation requirement.

8. Foreign Language Requirements (0-8 hrs)

Students will be required to take a standard exit exam.

"Computer Competency met by ANT 2100"

ANT 3158 Florida Archaeology

ANT 3163 Mesoamerican Archaeology

ANT 3164 Ancient Inca

ANT 3169 Maya Archaeology

ANT 3311 Indians of the SE US

ANT 3312 Ethnology of North American Indians

ANT 3313 Indians of N American High Plains

ANT 3314 Indians of the Northeast Woodlands

ANT 3318 Indians of the Northwest Coast

ANT 4320 Indians of the Southwest

ANT 4319 The Anthropology of Diaspora

ANT 4332 Peoples and Culture of Latin America

ANT 4340 Caribbean Cultures

ANT 3358 Life and Death in Ancient Egypt

ANT 3363 Anthropology of Japan

ANT 4144 Prehistory of North America

ANT 4153 North American Archaeology

ANT 4352 African Societies and Cultures

ANT 4354 Postcolonial Africa

ANT 4308 Gender Issues in Latin America

6. Restricted Electives (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 4101 Archaeological Sciences

ANT 3115 Ethnographic Method and Theory

ANT 3142 Old World Prehistory

ANT 4184 Mortuary Archaeology

ANT 3212 Peoples of the World

ANT 3241 Magic, Ritual, and Belief

ANT 3245 Native American Religions

ANT 3262 Rural Society

ANT 3273 Law and Culture

ANT 3302 Sex, Gender, and Culture

ANT 3316 Black/Semiole Relationships

ANT 4438 Anthropology of Tourism

ANT 4467 Nutritional Anthropology (or ANG 5467)

ANT 3541 Biobehavioral Anthropology

ANT 3550 Primatology

ANT 3701 Applied Anthropology

ANT 4702 Culture, Power, and Development

ANT 4802 Ethnographic Field Methods

ANT 4180C Seminar in Laboratory Analysis

ANT 4206 Economic Anthropology

ANT 4462 Medical Anthropology

ANT 4516 Human Biological Diversity

ANT 4521C Forensic Anthropology

ANT 4525C Human Osteology

ANT 4528C Advanced Forensic Anthropology

ANT 4824 Advanced Archaeological Field Work

ANG 5105 Field Research in Maya Studies

ANG 5106 Problems of Maya Archaeology

ANG 5107 Maya Hieroglyphics

ANG 5228 Maya Iconography

Departmentsal Exit Requirements

- A grade of "C" (2.0) or better in all courses used for the major
- Computer Competency met by ANT 2100
- Students will be required to take a standard exit exam.

8. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement.

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

9. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. 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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours

Related Programs: Sociology, Graduate Certificate in Maya Studies

Related Minors: African-American Studies, American Studies, Anthropology, Anthropology in Multicultural Studies, Asian Studies, Judaic Studies, Latin American, Caribbean, and Latino Studies, Russian Area Studies, Sociology, and Women’s Studies

Transfer Notes:

- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- ANT 2000: any ANT course. However, this course is a prerequisite and must be taken regardless.
- ANT 2511: any ANT course. However, ANT 2511 will need to be taken for the major.

Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by electives in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

Fall

SPN 1120* req# Lang/Elect 4

SPN 1121* req# Lang/Elect 4

Spring

ANT 2000 General Anthro 3

ENL 1010* req# 1B1-GEP 3

ENL 1011* req# 1B1-GEP 3

Sophomore Year

Fall

ANT 2100 Arch the of 3

ANT 2511 The Human Species 3

Elective* Check restrictions 3

ANT 3212* req# 6-ResElect 3

ANT 3142* req# 6-ResElect 3

ANT 3164* 5-Area 3

ANT 3145 Arch of Cmplx Soc 3

ANT 4586 Human Origins 3

Spring

ANT 2101 Arch the of 3

ANT 3640 Language and Cult 3

ANT 3641 Language and Cult 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Junior Year

Fall

ANT 3145 Arch of Cmplx Soc 3

ANT 3142* req# 6-ResElect 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Spring

ANT 4586 Human Origins 3

ANT 4586 Human Origins 3

ANT 4586 Human Origins 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Senior Year

Fall

ANT 3302* req# 6-ResElect 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Elective* Check restrictions 3

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Elective* Check restrictions 3

Spring

ART (B.F.A.)

College of Arts and Humanities

Art Department VAB 117, 407-823-2676,

http://www.art.ucf.edu/

E-mail: art@ucf.edu

J. Chavda, 823-2676

The BFA degree is recommended for studio art majors who plan to attend graduate school.

Note: Although the department maintains a small computer lab for student use, Graphic Design majors must have continual access to a lap top computer. Contact the department for the minimum hardware and software specifications.
Admission Requirements

- All junior level students in this program (except Graphic Design students) must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. 
The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Graphic Design students must satisfactorily complete the mandatory Graphic Design Portfolio Review for admission to this restricted access program, to be admitted in the following Fall.
- Students unable to satisfactorily complete either above requirement, ART 3950 – Portfolio Review or the Graphic Design Portfolio Review, may continue in the Art Department in the Art History track.
- Students may enter the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for 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 program.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these must be in an area of specialization.
- BFA students must maintain a 3.0 GPA in all ART courses.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor in their specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
A. Communication Foundations (9 hrs)
Select a course from group B.1
Select ARH 2050 3 hrs
Select ARH 2051 3 hrs
C. Mathematical Foundations
Prefer MGF 1106 (may substitute a higher level math) 3 hrs
Prefer STA 1060C 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites (18 hrs)
ART 2203C* Design Fundamentals 2-D 3 hrs
ART 2203C* Design Fundamentals 3-D 3 hrs
ART 2300C* Drawing Fundamentals I 3 hrs
ART 2301C* Drawing Fundamentals II 3 hrs
ART 2050 History of Western Art I GEP 3 hrs
ART 2051 History of Western Art II GEP 3 hrs
GRA 2101C* Intro to Computer Art 3 hrs
Any ART prefix, studio, or media courses at the 2000-4000 levels 3 hrs

3. Core Requirements (9 hrs)
ART 2820 Art as Interface 3 hrs
ARH 2500 Survey of Non-Western Art 3 hrs
Any ART prefix, studio, or digital art courses at the 2000-4000 levels 3 hrs
ART 3950 Portfolio Review 0 hrs

4. Restricted Electives (42 hrs)
a. Specialization: 18 hrs
Select six upper division courses from one area: (classes with an asterisk may be repeated for credit)
- Ceramics (ART 3760C, ART 3764C, ART 4783C*)
- Drawing (ART 3332C, ART 4320C*)
- Drawing/Printmaking Combination (ART 3332C, ART 4320C*, ART 3433C, ART 4402C*)
- Drawing/Illustration Combination (ART 3332C, GRA 3151C, ART 4320C*, GRA 4154C*)

b. Elective in Art: 15 hrs
Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization.
- Animation, Ceramics, Drawing, Graphic Design, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

5. Departmental Exit Requirements (3 hrs)
ART 4855 BFA Exhibits/ Seminar required, except for Graphic Design specialization (BFA Exhibit Seminar is only offered during Spring Semester)
- Achieve at least a “B” GPA (3.0) overall in courses within the major
- Each senior is required to submit a portfolio of representative work in the student's specialization, for review and approval by faculty, during their last semester of matriculation toward the degree
- Computer Competency met by STA 1060C or GRA 2101C

6. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement
Graduation: Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours

Related Programs: Art History, Studio Art (BA), Art Education, Animation, Digital Media
Related Minors: Partners in Visual Art Education

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - GRA 2101C*: A student may substitute any three hour digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
### Admission Requirements

- **Animation students** must successfully complete an Animation Portfolio Review to be admitted to this restricted access program. The Animation Portfolio Review submission deadline is March 15 for admission in the following Fall semester, and September 15 for admission in the following Spring semester.
- Applications must include a portfolio of work done in courses, such as drawings, design projects, computer graphics, animation work, and storyboards.
- Students should complete ART 2201C and ART 2300C before applying to be accepted in the Animation BFA program.
- Students must maintain an overall minimum 3.0 GPA in ART 2201C and ART 2300C.
- Students must submit a satisfactory drawing portfolio to be admitted to FIL 3286C.

Note: Unfortunately, individual reviews are not possible due to the large number of applicants to this program.

### 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.
- “D” grades from other institutions do not meet departmental requirements. 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 within the UCF Art and Film programs. None of these must be in Animation specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (36 hrs)

- **A. Communication Foundations**
  - 9 hrs
- **B. Cultural and Historical Foundations**
  - 3 hrs
- **Select a course from group B.1**
- **Select ARH 2050**
- **Select ARH 2051**
- **C. Mathematical Foundations**
  - 3 hrs
- **Select MGF 1106**
- **(may substitute a higher level math)**
- **Select STA 1060C**

**2. Common Program Prerequisites (18 hrs)**

- **ART 2300C** Design Fundamentals I
- **ART 2301C** Drawing Fundamentals
- **ART 2303C** Drawing Fundamentals II
- **ARH 2050** The History of Western Art I
- **ARH 2051** The History of Western Art II

**3. Core Requirements (12 hrs)**

- **ART 2820** Art as Interface
- **ART 2500** History of Western Art

**4. Animation Upper Division Courses (18 hrs)**

- **ART 3286C** Digital Effects and Compositing
- **ART 3287C** Advanced Animation
- **ART 3288C** Animation Workshop

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

**5. Restricted Electives (15 hrs)**

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

**6. Departmental Exit Requirements**

- **ART 4971 Thesis**
- Achieve at least a 3.0 average in required art and film courses
- **Computer Competency** met by CGS 1060C or GRA 2101C

**7. Foreign Language Requirements (0-8 hrs)**

**Admission:** Met by graduation requirement

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

**8. Electives (variable)**

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.
9. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 36 hours of course work must be completed in res-
    idency at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEF,
     Credit by Exam, and Armed Forces credits permitted
   ■ Complete the General Education Program, the Gordon Rule, the
     CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours

Related Programs: Art, Art Education, Art History, Film
Production/Screen writing, Radio/TV
Related Minors: Art, Digital Media, Film

Transfer Notes:
■ Courses taken at community colleges do not substitute for Upper
Division courses
■ Courses transferred from private and out-of-state schools, and
in-state senior institutions must be evaluated for equivalency
credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken
prior to transferring to UCF:
■ GRA 2101C*: A student may substitute any three hour digital art
   course; however, GRA 2101C is a prerequisite for subsequent
   art courses and will need to be taken for the major.

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all require-
ments. Courses with an asterisk (*) may be replaced by alternates in the same
requirement. Consult a departmental advisor for alternate, new or more appropriate
selections.

Freshman Year
Fall
   ARH 2050 His of West Art I 3
   ENC 1101 Composition I 3
   HUM 2210* req# 1B1-GEP 3
   MGF 1106* req# 1C1-GEP 3
   ART 2820 Art as Interface 3

Spring
   ARH 2051 His of West Art II 3
   CCG 1060C Intro to Comp Sci 3
   ENC 1102 Composition II 3
   ART 2201C Design Fundamentals 2-D 3
   ART 2820 Art as Interface 3

Sophomore Year
Fall
   COM 1000* req# 1A3-GEP 3
   POS 2041* req# 1D1-GEP 3
   ART 2203C Design Fundamentals 3-D 3
   ART 2300C Drawing Fundamentals I 3
   GRA 2101C Intro to Comp Art 3

Spring
   BSC 1020* req# 1E2-GEP 3
   CHM 1020* req# 1E1-GEP 3
   ART 2301C Drawing Fundamentals II 3
   ART 2304C req# 2-CPP 3
   FIL 3286C Intro to Animation 3

Junior Year
Fall
   ART 3161* req# 3-Core 3
   GRA 3151C* req# 3-Core 3
   ART 3643C Dig Effects Comp Cast 3
   PGY 2401C* req# 5-ResEl 3
   SPN 1120* req# Lang/Elect 4
   Application See catalog 0

Spring
   ART 3207C Int Animation 3
   ART 3410C Int History of Art 3
   ART 4320C* req# 5-ResEl 3
   SPN 1121* req# Lang/Elect 4

Senior Year
Fall
   ARH 2500 His of West Art 3
   FIL 4288C Advanced Animation 3
   PGY 3410C* req# 5-ResEl 3
   Elective* Check restrictions 3

Spring
   ART 2000* req# 1D2-GEP 3
   FIL 4289C Animation Workshop 3
   PGY 4402C* req# 5-ResEl 3
   ART 4911 Senior Thesis 3
   Elective* Check restrictions 3

ART - HISTORY TRACK (B.A.)
College of Arts and Humanities
Art Department, VAB 117, 407-823-2676
http://www.art.ucf.edu/
E-mail: art@ucf.edu
M. Gonzalez, 407-823-4995

Admission Requirements none

Degree Requirements
■ Students who change degree programs and select this major
  must adopt the most current catalog.
■ Grades below “C” (2.0) in lower level courses do not satisfy
  major requirements
■ Co-op credit cannot be used in the major
■ Students should consult with a departmental art history advisor
■ Departmental Residency Requirement consists of at least 18
  semester hours of regularly scheduled 3000-4000 level courses
  taken from the UCF Department of Art. Nine of these must be in
  an area of ARH specialization.
■ Courses designated in 1 (General Education Program) and 2
  (Common Program Prerequisites) are usually completed in the
  first 60 hours

1. UCF General Education Program
   (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations
      Prefer a course from group B. 1 3 hrs
      Select ARH 2050 History of Western Art I 3 hrs
      Select ARH 2051 History of Western Art II 3 hrs
   C. Mathematical Foundations
      Prefer MGF 1106 Finite Mathematics
      (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
   (12 hrs)
   ART 2201C Design Fundamentals 2-D 3 hrs
   ART 2300C Drawing Fundamentals I 3 hrs
   ARH 2050 History of Western Art I 3 hrs
   ARH 2051 History of Western Art II 3 hrs
   GPA/3

3. Core Requirements
   (18 hrs)
   ARH 2500 Survey Non-Western Art 3 hrs
   ARH 4310 Italian Renaissance Art 3 hrs
   ARH 4430 Nineteenth Century Art 3 hrs
   ARH 4450 Twentieth Century Art 3 hrs
   ARH 4800 Theory and Criticism of Visual Arts 3 hrs
   ENC 3311 Advanced Expository Writing 3 hrs

4. Restricted Electives
   (21 hrs)
   a. One Non-Western Art History Course: 3 hrs
      ARH 3520 African Art
      ARH 4545 Art of India
      ARH 4655 MesoAmerican Art
   b. One of the following courses: 3 hrs
      ARH 4200 Medieval Art
      ARH 4350 Baroque Art
      ARH 4892 Women in Art
   c. Select 15 additional hours from following: 15 hrs
      ARH 3471 Art in Last 25 Years
      ARH 3520 African Art
      ARH 3610 American Art
      ARH 3710 History of Photography I
      ARH 3711 History of Photography II
      ARH 3720 History of Prints
      ARH 4170 Greek and Roman Art
      ARH 4350 Baroque Art
      ARH 4655 MesoAmerican Art
      ARH 4892 Women in Art
      ARH 5897 Adv. Seminar in Art History
      ARH 3XXX-4XXX Additional Art History course

5. Departmental Exit Requirements
   (4 hrs)
   ARH 4912 Senior Thesis 3 hrs
   ARH 4906 Comprehensive Exam 1 hr
   ■ Achieve at least a “C” GPA (2.0) in courses within the major
   ■ Computer Competency met by STA 1060C, GRA 2101C, or ARH 3820

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### 6. Foreign Language Requirements

(0-11 hrs)

**Admission:** Met by graduation requirement.

**Graduation:** Proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures, or an equivalent level of proficiency demonstrated through standardized examinations. French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.

### 7. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

(A maximum of six hours of Independent Study, Practicum, and Internship are permitted).

### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

120 hours

### Related Programs:
- Studio Art (BA, BFA), Art Education, Animation, Digital Media.
- Related Minors: Studio Art, Partners in Visual Art Education

### Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

### Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050 His of West Art I</td>
<td>ARH 2051 His of West Art II</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>HUM 2210* req# 1B1-GEP</td>
<td>STA 1060C Stat Using Excel</td>
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<tr>
<td>MGF 1100* req# 1C1-GEP</td>
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<td>ARH elective</td>
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#### Sophomore Year

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</thead>
<tbody>
<tr>
<td>COM 1000* req# 1A3-GEP</td>
<td>ART 2000* req# 1D2-GEP</td>
</tr>
<tr>
<td>POS 2041* req# 1D1-GEP</td>
<td>BSC 1005* req# 1E2-GEP</td>
</tr>
<tr>
<td>ART 2201C Design Fund 2 D</td>
<td>CHM 1020* req# 1E1-GEP</td>
</tr>
<tr>
<td>ART 2300C Drawing Fund I</td>
<td>ARH 4545* req# 4a-ResEl</td>
</tr>
<tr>
<td>ENC 3311 Adv Exp Writing</td>
<td>SPN 1120* req# Lang/Elect</td>
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</tbody>
</table>

#### Junior Year

<table>
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<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>ARH 4310 Italian Renaiss Art</td>
<td>ARH 4430 19th Century Art</td>
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<tr>
<td>ARH 4450 20th Century Art</td>
<td>ARH 4800 Tchr Crit of Vis</td>
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<tr>
<td>ARH 3710* req# 4c-ResEl</td>
<td>ARH 3711* req# 4c-ResEl</td>
</tr>
<tr>
<td>ARH 4695* req# 4c-ResEl</td>
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</tr>
<tr>
<td>SPN 1121* req# Lang/Elect</td>
<td>SPN 2200* req# Lang/Elect</td>
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</tbody>
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#### Senior Year

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<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4350* req# 4b-ResEl</td>
<td>ARH 4170* req# 4c-ResEl</td>
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<tr>
<td>ARH 4912 Senior Thesis</td>
<td>ARH 4906 Comprehensive exam</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
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<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td></td>
</tr>
</tbody>
</table>

### 1. UCF General Education Program

(36 hrs)

**A. Communication Foundations**

- 9 hrs

**B. Cultural and Historical Foundations**

- Select a course from group B.1 3 hrs
- Select a course from either group B.1 or B.2 3 hrs

**C. Mathematical Foundations**

- Prefer MGF 1106 Finite Mathematics 3 hrs
- (may substitute a higher level math) 3 hrs

**D. Social Foundations**

- 6 hrs

**E. Science Foundations**

- 6 hrs

### 2. Common Program Prerequisites

(21 hrs)

**ART 2201C**

- Design Fundamentals 2-D 3 hrs

**ART 2203C**

- Design Fundamentals 3-D 3 hrs

**ART 2300C**

- Drawing Fundamentals I 3 hrs
- Drawing Fundamentals II 3 hrs
- The History of Western Art I 3 hrs
- The History of Western Art II 3 hrs

**GRA 2101C**

- Intro to Computer Art 3 hrs

**ART XXXX-4XXX**

- any ART prefix, studio or media course 3 hrs

### 3. Core

(6 hrs)

- ART 2820 Art As Interface 3 hrs
- ART 2500 History of Non-Western Art 3 hrs
- ART 3950 Portfolio Review 0 hrs

### 4. Restricted Electives

(27 hrs)

**Specialization:**

Select nine upper division courses from at least three areas:

- Art History (any upper level ARH courses)
- Ceramics (ART 3760C, ART 4783C*)
- Drawing and Printmaking (ART 3322C, ART 3433C, ART 4320C*, ART 4402C*)
- Illustration (GRA 3151C, GRA 4154C*)
- Painting (ART 3504C, ART 4505C*)
- Photography (PGY 2401C, PGY 4420C*, PGY 4440C)
- Sculpture (ART 2701C, ART 4710C*)
- The Artist Book (ART 4173)

*may be repeated for credit

### 5. Departmental Exit Requirement

- Achieve at least a "C“ GPA (2.0) overall in courses within
### Degree Programs

**University of Central Florida**

**ART EDUCATION (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles**

**ED 209**

[http://pegasus.cc.ucf.edu/~arted](http://pegasus.cc.ucf.edu/~arted)

**Program Coordinator:** Thomas Brewer

**ED 206-J, 407-823-3714**

**E-mail:** tbrewer@mail.ucf.edu

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete prerequisite courses

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

#### 1. UCF General Education Program (36 hrs)

- **A. Communication Foundations**
  - 3 hrs
- **B. Cultural-Historical Foundations**
  - 3 hrs
- **C. Mathematical Foundations**
  - 3 hrs
- **D. Social Science/History**
  - 3 hrs
- **E. Science Foundations**
  - 3 hrs

**1. (General Education)**

- ENC 1101 Composition I
- ENC 1102 Composition II
- STA 2014C Principles of Statistics
- STA 2053C/STA 2054C Calculus

**2. (Common Program Prerequisites)**

- ENC 1101 Composition I
- ENC 1102 Composition II
- STA 2014C Principles of Statistics
- STA 2053C/STA 2054C Calculus

**Notes:**

- See laboratory component under Section 2.
- May be replaced by alternates in the same requirement.

#### 2. Common Program Prerequisites (43 hrs)

- **A. Communications**
  - ENC 1101 Composition I
  - ENC 1102 Composition II
  - STA 2014C Principles of Statistics
  - STA 2053C/STA 2054C Calculus

**B. Humanities**

- Select one:
  - PHI 2010 Introduction to Philosophy
  - PHI 2011 Introduction to Philosophy
  - PHI 2020 Introduction to Philosophy

**C. Mathematics**

- Select one:
  - MAC 1105 Pre-Calculus
  - MAC 1106 Pre-Calculus
  - MAC 1147 Pre-Calculus

**D. Social Science/History**

- Select one:
  - AMH 2010 U.S. History 1492-1877
  - AMH 2020 U.S. History 1877-Present

**E. Science**

- Select one:
  - PSY 2012 General Psychology
  - PSY 2013 General Psychology

**Notes:**

- See laboratory component under Section 2.
- May be replaced by alternates in the same requirement.

#### 3. Major Courses

- **ART EDUCATION (B.S.)**

**Required Courses**

- ART 2820 Art as Interface
- ENC 1101 Composition I
- ENC 1102 Composition II
- STA 2014C Principles of Statistics
- STA 2053C/STA 2054C Calculus

**Elective Courses**

- Select one:
  - ENC 1101 Composition I
  - ENC 1102 Composition II
  - STA 2014C Principles of Statistics
  - STA 2053C/STA 2054C Calculus

**Total Semester Hours Required: 120 hours**

**Related Programs:**

- Art History, Studio Art (BFA), Art Education, Animation, Digital Media

**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.

**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.

**Note:**

- Consult a departmental advisor for alternate, new or more appropriate selections.

#### Freshman Year

**Fall**

- ARH 2050 Hist of West Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210* req# GEP 181-1-GEP 3 hrs
- MGF 1108* req# GEP 181-1-GEP 3 hrs
- ART 2260 Art as Interface 3 hrs

**Spring**

- ARH 2051 Hist of West Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1060C Stat Using Excel 3 hrs
- ART 2261 Design Fund 2 D 3 hrs
- Elective* Check restrictions 3 hrs

#### Sophomore Year

**Fall**

- COM 1000* req# GEP 213-1-GEP 3 hrs
- POS 2041* req# GEP 213-1-GEP 3 hrs
- ART 2203C Design Fund 3 D 3 hrs
- ART 2203C Drawing Fund I 3 hrs
- GRA 2101C Intro to Comp Art 3 hrs
- Select one:
  - STA 1060C Basic Statistics using MS Excel or
  - STA 2014C Principles of Statistics

**Spring**

- ARH 2051 Hist of West Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1060C Stat Using Excel 3 hrs
- ART 2261 Design Fund 2 D 3 hrs
- Elective* Check restrictions 3 hrs

#### Junior Year

**Fall**

- ART 3950 Portfolio Review 0 hrs
- Select one:
  - ENC 1102 Composition II
  - STA 2014C Principles of Statistics

**Spring**

- Select one:
  - ENC 2050 History of Western Art I 3 hrs
  - ENC 2051 History of Western Art II 3 hrs
  - STA 2014C Principles of Statistics

#### Senior Year

**Fall**

- ARH 4350* req# 4-ResElect 3 hrs

**Spring**

- ARH 4430* req# 4-ResElect 3 hrs
AST 2002 Astronomy or
GEO 1200 Physical Geography or
GLY 1030 Geology and its Applications

Select one associated science lab: 1 hr
BSC1005L Biological Principles Laboratory or
PSC 1121L Physical Science Laboratory

F. Education Courses (9 hrs)
EDF 2005 3 hrs
EDG 2701 3 hrs
EME 2040 3 hrs

G. Diversity Courses GEP

H. Other Program Prerequisites (24 hrs)

1. University Entrance Requirements
- 30 of the last 36 hours of course work must be completed in residence at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
- All courses must be completed at UCF
- Any co-op or internship credit cannot be used in this major
- No credit by exam (TSD, Military credit) may be used for the major
- Students who change degree programs and select this major must complete all core courses and prerequisites for the major
- Students seeking a double major must satisfy the requirements for both majors

11. Total Program Semester Hours Required 127 hrs
Consult with your advisor and review your degree audit for more recent information.

12. Recommended Four-Year Sequence of Courses

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>(15 hrs)</td>
<td>(12 hrs)</td>
</tr>
<tr>
<td>ESE 3940</td>
<td>EDF 2005 3 hrs</td>
<td>ARH 2051 3 hrs</td>
</tr>
<tr>
<td></td>
<td>EDG 2701 3 hrs</td>
<td>ENC 1101 3 hrs</td>
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<tr>
<td></td>
<td>EME 2040 3 hrs</td>
<td>EDG 2701 2 hrs</td>
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<tr>
<td></td>
<td>MGF 1106 3 hrs</td>
<td>ENC 1102 3 hrs</td>
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<td>ARH 2050 3 hrs</td>
<td>MAC 1105 3 hrs</td>
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<tr>
<td></td>
<td>PSY 2012 3 hrs</td>
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<tr>
<td>Summer</td>
<td>(6 hrs)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EME 2040 3 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SPC 1600 3 hrs</td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Sophomore</td>
<td>(15 hrs)</td>
<td>(16 hrs)</td>
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<tr>
<td>ESE 3940</td>
<td>AMH 2010 3 hrs</td>
<td>AMH 2020 3 hrs</td>
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<tr>
<td></td>
<td>ART 2201C 3 hrs</td>
<td>ART 2203C 3 hrs</td>
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<td></td>
<td>BSC 1005 3 hrs</td>
<td>ART 2300C 3 hrs</td>
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<tr>
<td></td>
<td>PHI 2010 3 hrs</td>
<td>POS 2041 3 hrs</td>
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<td></td>
<td>STA 2041C 3 hrs</td>
<td>PSC 1121 3 hrs</td>
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<tr>
<td></td>
<td>PSC 1121L 1 hr</td>
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<tr>
<td>Summer</td>
<td>(3 hrs)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GRA 2101C 3 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AST 2002 3 hrs</td>
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<table>
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<tr>
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<th>Fall</th>
<th>Spring</th>
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<tr>
<td>Junior Year</td>
<td>(15 hrs)</td>
<td>(15 hrs)</td>
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<tr>
<td>ESE 3940</td>
<td>ARE 4356 3 hrs</td>
<td>ARE 4356 3 hrs</td>
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<tr>
<td></td>
<td>ART 2301C 3 hrs</td>
<td>ART 2301C 3 hrs</td>
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<td></td>
<td>EDF 4214 3 hrs</td>
<td>RED 4043 3 hrs</td>
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<td></td>
<td>EDG 4323 3 hrs</td>
<td>Restricted elective</td>
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<tr>
<td></td>
<td>TSL 4080 3 hrs</td>
<td>(ARE/ARH/ART/PGY 3/4XXX)</td>
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<td></td>
<td>Summer (6 hrs)</td>
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</tr>
<tr>
<td></td>
<td>PSC 1121L 1 hr</td>
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</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Senior Year</td>
<td>(12 hrs)</td>
<td>(12 hrs)</td>
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<tr>
<td>ESE 3940</td>
<td>ARE 4351 3 hrs</td>
<td>ESE 4943 12 hrs</td>
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<tr>
<td></td>
<td>EDF 4603 3 hrs</td>
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<tr>
<td></td>
<td>ESE 3940 3 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restricted elective ARE/ARH/ART/PGY 3/4XXX 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

BIOLOGY (B.S.)

College of Sciences
Biology Department, BL 301, 407-823-2141
http://www.cas.ucf.edu/biology
E-mail: biology@ucf.edu
Contact: F. Logiudice, 407-823-2141

Admission Requirements 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, BSC4937L, Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements

UCF Degree Programs

UCF University of Central Florida
for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.

Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

1. UCF General Education Program (36+3 hrs)
(Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.)

A. Communication Foundations
1. Select ENC 1101 and ENC 1102
2. Prefer SPC 1016

B. Cultural and Historical Foundations
C. Mathematical Foundations
1. Select MAC 2311 or MAC 2241
2. Select STA 2023

D. Social Foundations
E. Science Foundations
1. Select CHM 2045C
2. Select BSC 2010C

2. Common Program Prerequisites (16 hrs)

Select one Calculus course
MAC 2311* Calculus w/ Anal Geometry I GEP
MAC 2311* Calculus for Life Sciences GEP
STA 2023* Statistical Methods I GEP

Select one Physics sequence with labs* 8 hrs

PHY 2053C College Physics I
PHY 2054C College Physics II
or
PHY 2048 & L Physics Engr. & Sci. I & Lab
PHY 2049 & L Physics Engr. & Sci. II & Lab

*See Transfer Notes for possible substitutes

CHM 2040 plus CHM 2041 can substitute for CHM 2045C

3. Core requirements (21-23 hrs)

Select one Chemistry sequence

CHM 2110 Organic Chem. I, and 3 hrs
CHM 2111L Organic Chem. II & lab 5 hrs
or
CHM 3120 Analytical Chemistry, and 5 hrs

CHM 2205 Intro Organic & Biochemistry 5 hrs

PCB 3030C General Microbiology 3 hrs
PCB 3103 Genetics 3 hrs
PCB 3023 Molecular Cell Biology 3 hrs
PCB 4683 Population Bio & Evolution 4 hrs

(Note: Students planning on entering professional or graduate school should take Biochemistry (BCH 4053, BCH 4054) as well as additional Calculus courses. Students are urged to consult their departmental advisor.)

4. Upper Division Restricted Electives (22 hrs)

Courses must be selected from the groupings listed below.

Student must complete at least one course dealing exclusively with animals (marked ‘a’) and one course dealing exclusively with plants (marked ‘b’).

At least three credit hours from each group must be completed.

At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.

Transferred courses must be at a 3000 level or higher, and be evaluated by a departmental advisor, in order to count as an Upper Division Restricted Elective.

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

4.1 Form/Function (minimum of one lecture course)

| BSC 4053 | Biochemistry I | 3 hrs |
| BCH 4054 | Biochemistry II | 3 hrs |
| a BOT 4223C | Plant Anatomy | 4 hrs |
| b BOT 4303C | Plant Kingdom | 5 hrs |
| a BOT 4503 | Plant Physiology | 3 hrs |
| BSC 4101 | History of Biology | 3 hrs |
| a BSC 4454 | Research in Animal Physiology | 2 hrs |
| PCB 3063L | Genetics Laboratory | 1 hr |
| PCB 3233 | Immunology | 3 hrs |
| PCB 3024L | Molecular Cell Biology Laboratory | 2 hrs |
| PCB 3703C | Human Physiology | 4 hrs |

UCF Degree Programs

2.0 UCF GPA
## Biology Preprofessional Concentration (B.S.)

### College of Sciences

Biology Department, BL 301, 407-823-2141
http://www.cas.ucf.edu/biology
E-mail: biology@ucf.edu

Contact: F. Loguidice, 407-823-2141

Students who hope to gain admission to a professional school (medical, dental, optometry, veterinary medicine, etc.) can meet the admission requirements while pursuing a Biology degree. The following track lists courses that will meet both sets of requirements.

### Admission Requirements

- **Degree Requirements**
  - Students who change degree programs and select this major must adopt the most current catalog.
  - No credit by exam (TSD, Military credit) may be used for the major.
  - **Notice**: Professional schools do not accept AP or IB credit.
  - Co-op or internship credit cannot be used in the major.
  - No more than four hours of BSC 4422L, BSC 4937L.
  - Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
  - **Departmental Residency Requirement** consists of at least 23 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
  - Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
  - Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

### 1. UCF General Education Program

(36+3 hrs)

(Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.)

#### A. Communication Foundations

1. Select ENC 1101 and ENC 1102
2. Select SPC 1016

#### B. Cultural and Historical Foundations

1. Courses taken at community colleges do not substitute for Upper Division courses.
2. Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### 2. Common Program Prerequisites

(16 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311* Calculus w/ Anal Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fund I</td>
<td>4</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2241 Calculus for Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023: may use MAC 2212, STA 2014C</td>
<td>3</td>
</tr>
<tr>
<td>STA 2024, STA 2321, MAC 2234</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2254, or MAC 3282</td>
<td>4</td>
</tr>
<tr>
<td>However, statistics at or above the level of MAC 2023 is required in the major and still must be taken.</td>
<td></td>
</tr>
<tr>
<td>MAC 2311: may use MAC 2233, MAC 2253 or MAC 2281</td>
<td></td>
</tr>
</tbody>
</table>

### 3. Core Requirements

(21 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210 Organic Chem. I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048 Physics sequence with labs*</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049 &amp; L Physics Engnr. &amp; Sci. I &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>PCB 3063 Genetics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3044 Prin of Ecology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3023 Mol Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054 College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2046 &amp; L Physics Engnr. &amp; Sci. I &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>PCA 4422L &amp; L Science Education</td>
<td>4</td>
</tr>
<tr>
<td>PCB 3023 Molecular Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3044 College Physics II</td>
<td>4</td>
</tr>
<tr>
<td>HUM 2210* req# 181-GEP</td>
<td>3</td>
</tr>
<tr>
<td>REL 2300* req# 183-GEP</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4683 Popl Biology Evol</td>
<td>4</td>
</tr>
</tbody>
</table>

### 4. Restricted Electives (Suggested)

- **Students must complete at least one course dealing exclusively**
with animals (marked ‘a’) and one course dealing exclusively with plants (marked ‘b’).

- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- Transferred courses must be at a 3000 level or higher.
- The following suggestions are appropriate for many professional schools. Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.

### 4.1 Form/Function (minimum of one lecture course)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>a: BSC 4454</td>
<td>Research in Animal Physiology</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3024L</td>
<td>Molecular Cell Biology Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3235</td>
<td>Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4514</td>
<td>Genetics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5665C</td>
<td>Human Genetics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>a: PCB 4723</td>
<td>Animal Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>a: ZOO 3713C</td>
<td>Comparative Vert Anatomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>a: ZOO 4603C</td>
<td>Embryology/Development</td>
<td>5 hrs</td>
</tr>
<tr>
<td>a: ZOO 4753C</td>
<td>Vertebrate Histology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 4.2 Environmental (minimum of one lecture course)

- BOT 3800: Ethnobotany 3 hrs

### 4.3 Systematic (minimum of one lecture course)

- MCB 3020C: General Microbiology 5 hrs
- a: ZOO 4205C: Bio & Ecol of Metazoan Inverts 4 hrs
- a: ZOO 4310C: Vertebrate Evolution & Ecol 4 hrs

### 5. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors may not take any courses required in the major as a transient student at a community college.

### 6. Foreign Language Requirement

(0-8 hrs)

**Admission:** Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:** None

Spanish is highly recommended.

### 7. Electives

(variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

**Total Semester Hours Required:** 120 hours

**Related Programs:** Biology, Chemistry, Molecular/Microbiology

**Related Minors:** None

**Transfer Notes:**

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes

for common program prerequisites if taken prior to transferring to UCF:

- BSC 210C & Lab: may use PCB 2010, PCB 2101, PCB 2021, PCB 2131, BSC 1040, or BSC 2102
- BSC 210C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 210C or both ZOO 2010 and BOT 2010.
- STA 2023: may use STA 2122, STA 214C, STA 2023, STA 2024, STA 2121, MAC 2234, MAC 2254, or MAC 3282. However, statistics at or above the level of STA 2023 is required in the major and must still be taken.
- MAC 2311: may use MAC 2323, MAC 2253 or MAC 2281
- PHY 2048 & 2049: Although Common Program Prerequisites permit substituting Organic Chemistry for Physics, both Physics and Organic Chemistry must be taken as part of the Biology degree requirements.

### Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Summer

- Chem test See catalog 0
- Math test See catalog 0

#### Freshman Year

**Fall**

- BSC 210C Biology I 4
- CHM 2045C Chemistry Fund I 4
- ENC 1101 Composition I 3
- Elective* Check restrictions 3

**Spring**

- MAC 2311 Calc Anal Geo I 4
- POS 204* req# 1D1-GEP 3
- STA 2023 Stat Methods I 3
- CHM 2210 Organic Chem I 3
- PCB 3044 Prin of Ecology 3

#### Sophomore Year

**Fall**

- MAC 2131 Calc Anal Geo II 4
- PCB 3024L Molecular Cell Biology 2 hrs

**Spring**

- ENC 1102 Composition II 3
- CHM 2046 Chemistry Fund II 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3

#### Junior Year

**Fall**

- BSC 2010C Biology I 4
- MAC 2211 Organic Chem II 3
- CHM 2210 Organic Chem I 3
- PCB 3044 Prin of Ecology 3

**Spring**

- ENC 1102 Composition II 3
- CHM 2046 Chemistry Fund II 3
- Elective* Check restrictions 3

#### Senior Year

**Fall**

- HUM 2210* req# 1B1-GEP 3
- PHY 2048* req# 2-CPP 3
- PCB 3024L Molecular Cell Biology 2 hrs
- ZOO 3713C* req# 4.1-ResEl 5

**Spring**

- MUL 2010* req# 1B2-GEP 3
- PHY 2049* req# 2-CPP 3
- PCB 3024L Molecular Cell Biology 2 hrs
- Elective* Check restrictions 3

### BUSINESS ADMINISTRATION (B.A.B.A.)

(Completion program for individuals who have a statewide articulated A.A. from a Florida public community college)

**College of Business Administration**

**BA 240, 407-823-2184**

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

**email: cba@bus.ucf.edu**

Clermont campus advising: Selena Forrest, 352-536-2174; Cocoa campus advising: Angela Jones, 321-433-7889; Daytona campus advising: LeeAnn Davis, 386-506-4021; Main Campus Advising: BA 325, 407-823-5256

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance.
Accounting, etc. The B.A.B.A. degree would permit 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 and Common Program Prerequisites.

Degree Requirements
(Note: This degree program is offered only at Cocoa, Daytona, MetroWest, Palm Bay, Sanford/Lake Mary, and South Lake Campuses.)
- 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 (15) of the 30 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     - Select SPC 1600
     - 9 hrs
   - B. Cultural and Historical Foundations
     - Select MAC 1105
     - College Algebra
     - 3 hrs
   - C. Mathematical Foundations
     - Select STA 2023
     - Principles of Statistics
     - 3 hrs
   - D. Social Foundations
     - Select ECO 2023
     - Macroeconomics
     - 3 hrs
     - 3 hrs
   - E. Science Foundation

2. Common Program Prerequisites (18-21 hrs)
   - Must be completed with a “C” (2.0) or better.
   - ACG 2021 Principles of Financial Accounting
   - ACG 2071 Principles of Managerial Accounting
   - ECO 2013 Macroeconomics
   - ECO 2023 Microeconomics
   - *ECO 3401 Quantitative Business Tools
   - CGS 2100CC Computer Fundamentals for Business
   - *UCF students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401.
   - Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

3. Common Body of Knowledge (30 hrs)
   - Required for all students
   - First or subsequent semester in the College of Business Administration:
     - GEB 3301 Cornerstone (Required in 1st or 2nd semester)
     - 6 hrs
     - GEB 3356 Introduction to International Business
     - 3 hrs
     - BUL 3130 Legal & Ethical Environments of Business
     - 3 hrs
     - ECO 3411 Quantitative Business Tools II
     - 3 hrs
     - FIN 3403 Business Finance
     - 3 hrs
     - MAN 3025 Management of Organizations
     - 3 hrs
     - ISM 3011 Essentials of Management Information Systems
     - 3 hrs
     - MAR 3023 Marketing
     - 3 hrs
     - Last Semester:
     - MAN 4720 Strategic Management
     - 3 hrs

4. Area of Specialization (18 hrs min)
   - Students who change degree programs and select another major must adopt the most current catalog.
   - Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   - Students wanting to major in General Business must apply for admission to the major
   - Final exams will be given during Exam Week.

- Any student receiving a business degree must complete one half (15) of the 30 upper level business courses for their degree program in the UCF College of Business Administration.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

UCF Degree Programs
Adobe Photoshop

CARDIOPULMONARY SCIENCES (B.S.)

College of Health and Public Affairs
HPA2 210; 407-823-2214
http://www.coahpa.ucf.edu/health.pro/
Undergraduate Program Director: Jeffery E. Ludy, EdD, RRT
E-mail: jludy@mail.ucf.edu

Admission Requirements - Limited Access
Acceptance to the university does not necessarily constitute admission to the upper division cardiopulmonary sciences program.
- Separate Application to the limited access program must be made directly to the program prior to February 1st of the year admission is sought.
- Application to the University must also be submitted by the program deadline of February 1st. Acceptance to UCF is necessary before acceptance to the Cardiopulmonary Sciences program

- Maintain a minimum GPA of 2.0 in all courses.
- A. Communication Foundations
- B. Cultural and Historical Foundations
- C. Mathematical Foundations
- D. Social Foundations
- E. Science Foundation
- F. Science Foundation
- G. Science Foundation
- H. Science Foundation
- I. Science Foundation
- J. Science Foundation
- K. Science Foundation
- L. Science Foundation
- M. Science Foundation
- N. Science Foundation
- O. Science Foundation
- P. Science Foundation
- Q. Science Foundation
- R. Science Foundation
- S. Science Foundation
- T. Science Foundation
- U. Science Foundation
- V. Science Foundation
- W. Science Foundation
- X. Science Foundation
- Y. Science Foundation
- Z. Science Foundation

- 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 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.

- 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
  - 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. UCF students who have completed the who have completed the 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.

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

- ACG X001 and X011 will substitute for ACG 2021 at UCF

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

- 3000 & 4000 level courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate or Finance. These are third and fourth year (junior and senior) course areas and cannot be satisfied with freshman or sophomore level courses.

- Any student receiving a B.A.B.A. degree must complete one half (15) or the 30 upper level business courses for their degree program in the UCF College of Business Administration.

- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

- Any student receiving a business degree must complete one half (15) of the 30 upper level business courses for their degree program in the UCF College of Business Administration.

- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
can occur.

- This limited access program is work-intensive and courses include clinical practice in a variety of health care settings. Due to this it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- A personal interview is a required part of the application process.
- Student must complete all general education, foreign language, and program admission prerequisites by the end of Spring Semester before starting the program.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C”.
- A one page statement of intent for entry into the profession must be included 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 cardiopulmonary resuscitation (CPR) program specifically designed for health care providers prior to admission to the program.
- The limited access portion of the cardiopulmonary sciences program has a requirement for all students to submit a criminal background check prior to the scheduling of a personal interview. This requirement mirrors clinical affiliates' need to guarantee patient safety by screening students prior to providing them access to their patient populations.
- The practice of respiratory care can be a physically challenging experience. Students must possess a level of visual acuity, auditory perception, and motor coordination necessary to participate fully in this limited access program. Specific questions about the physical requirements for this program and professional duties should be directed to the Program Director.

This department will continue to accept Associate in Arts (AA) and Associate in Science (AS) transfers, but those students admitted with the AS degree will need to complete the UCF General Education requirements before they can be actively considered for admission to this limited access program. Students should seek advisement from the program as soon as they declare Cardiopulmonary Sciences as their major so that they are kept abreast of current articulation activity.

Note: A total of 20 UCF undergraduate students are admitted each Fall semester for the regular Cardiopulmonary Sciences program. Registered Respiratory Therapists (RRT’s) applying for this program will be admitted each semester on a space available basis. These individuals have a separate application process and are not counted as part of the regular Cardiopulmonary Sciences class. See transfer notes below.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions, and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Student should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Cardiopulmonary Sciences Program.
- UCF Residency Requirement: 32 hours.
- 25% of course work must be completed in residency at UCF.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
   B. Cultural Historical Foundations (9 hrs)
   C. Mathematical Foundations (6 hrs)
   D. Social Foundations (6 hrs)
   E. Science Foundations (6 hrs)

2. Common Program Prerequisites (16 hrs)

   MAC 1105 College Algebra
   STA 2023 Statistical Methods I
   BSC 2010C Biology I
   MCB 2004C Microbiology
   ZOO 3733C Human Anatomy*
   PCB 3703C Human Physiology*
   CHM 1032&L Chemistry for Health Sciences or higher level (with lab)
   PHY 2053C College Physics or higher level (with lab)

* see transfer notes

3. Core Requirements (75 hrs)

   RET 4503 Chest Medicine
   RET 4244 Life Support Systems
   RET 3483C Respiratory Clinical Assessment
   RET 3364C Medical Ventilation
   HSC 4149 Medical Pharmacology II
   RET 4414C Pulmonary Function Studies
   RET 3174 Pediatric Respiratory Care
   RET 3874 Clinical Practice I
   RET 4284 Cardiopulmonary Diagnostics I
   RET 4715 Neonatal Medicine
   RET 4034 Problems in Patient Management
   RET 3875 Clinical Practice II
   RET 4285 Cardiopulmonary Diagnostics II
   RET 4934 Selected Topics in Respiratory Care
   RET 4876 Clinical Practice III
   RET 4536 Cardiopulmonary Rehabilitation

4. Upper Division Restricted Electives
   none

5. Departmental Exit Requirements (127 hrs)

   Cardiopulmonary Sciences GPA requirement minimum 2.5 overall required for admission and graduation.

6. Electives
   none

7. Foreign Language Requirements (0-8 hrs)

   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation: none

8. University Minimum Exit Requirements

   A. 2.0 UCF GPA
   B. 60 semester hours earned after CLEP awarded
   C. 48 semester hours of upper division credit completed
   D. 32 hours of course work must be completed in residency at UCF
   E. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   F. Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

   Total Semester Hours Required 127 hrs

   Related Programs: Radiologic Sciences, Nursing, Physical Therapy, Health Services Administration, Aging Studies Certificate

   Related Minors: Health Services Administration, Health Sciences, Molecular Biology & Microbiology, Biology, Chemistry

   Transfer Notes: The UCF Cardiopulmonary Sciences program maintains an active transfer program open only to Registered Respiratory Therapists (RRT) and registry eligible respiratory therapists (new respiratory care graduates from an accredited respiratory care program). This pro-
gram allows working respiratory care professionals to attend UCF and gain a baccalaureate degree in Cardiopulmonary Sciences. To facilitate this process, transfer credit by examination is available for Registered Respiratory Therapists for 26 credits of course work. Credit will be awarded by the Cardiopulmonary Sciences faculty when students demonstrate advanced knowledge and competencies beyond the level required for entry into the profession. This may be demonstrated by successful completion of the two part registry examination given by the National Board for Respiratory Care (NBRC). Only graduates of an accredited institution and program are eligible for the NBRC credentials. Students who successfully complete these requirements will have validated the knowledge and clinical competencies and will be awarded credit in their final semester with grades of "S" recorded in their transcripts.

### Community College Equivalents

| College Algebra (MAC 1105) or (higher level) | 3 hrs |
| Statistics (STA 2023) or (higher level) | 3 hrs |
| College Physics (PHY 2007L) or (PHY 3004L) | 4 hrs |
| or higher level with labs | 4 hrs |
| General Chemistry with Lab (CHM 1031/L) or (higher level) | 4 hrs |
| Biology I with Lab (BSC 1005/L) or (higher level) | 4 hrs |
| General Microbiology (MCB 2010C) or (MCB 2004C) or (MCB 2020L) or (PHA 2751) | 4 hrs |
| Human Anatomy and Physiology I & II (BSC 2083C and 2084C) or (BSC 2085C and 2086C) replaces Anatomy and Physiology courses (ZOO 3733C and PCB 3703C) | 8 hrs |

### Tentative Course Schedule for Entering Freshmen

#### Freshmen Year

| Fall | 16 | Spring | 16 |
| ENC 1101 | 3 | ENC 1102 | 3 |
| CHM 1032 and lab | 3/1 | MCB 2004C | 4 |
| BSC 2010C | 4 | MAC 1105 | 3 |
| PSY 2012 or EUH 2000 or HUM 2210 or AMH 2010 | 3 | HSC 2000 | 2 |

| Sophomore Year | 14 | Spring | 13 |
| PHY 2053C | 4 | PCB 3703C | 4 |
| ZOO 3733C | 4 | SPC 1600 | 3 |
| EUH 2001 or HUM 2230 or AMH 2020 | 3 | ECO 2013 or POS 2041 | 3 |
| STA 2023 | 3 | One course: ARH 2050 | 1 |

| Junior Year | 16 | Spring | 14 |
| RET 3026C | 4 | RET 4503 | 3 |
| HSC 2593 | 3 | RET 4244 | 3 |
| HSC 4550 | 3 | RET 3174 | 3 |
| HSC 4148 | 2 | RET 3483 | 3 |
| RET 3484c | 4 | HSC 4149 | 2 |

| Summer | 12 |  |
| RET 4414C | 4 |  |
| RET 5264C | 3 |  |
| RET 3674 | 5 |  |

| Senior Year | 17 | Spring | 16 |
| RET 4284 | 3 | RET 4285 | 3 |
| RET 3875 | 8 | RET 4876 | 8 |
| RET 4715 | 3 | RET 4934 | 2 |
| RET 4034 | 3 | RET 4536 | 3 |

### Minor

**none**

### Accreditation

Upon completion of the undergraduate program, the baccalaureate individual will possess basic and advanced level skills and should be prepared to assume future leadership roles within the profession. Graduates will be prepared to become Registered Respiratory Therapists through licensure by the State of Florida. The Cardiopulmonary Sciences program is accredited by the Committee on Accreditation for Respiratory Care in conjunction with CAAHEP of the American Medical Association.

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### CHEMISTRY (B.S.)

#### College of Sciences

#### Department of Chemistry

#### CH 117, 407-823-2246

[http://www.cas.ucf.edu/chemistry](http://www.cas.ucf.edu/chemistry)

E-mail: chemistry@ucf.edu

Contact: Cherie Geiger

#### Admission Requirements

**none**

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours

#### 1. UCF General Education Program (36+3 hrs)

(Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)

- A. Communication Foundations
  - Select ENC 1101 and ENC 1102
  - 2. Prefer SPC 1016
  - 3 hrs
- B. Cultural and Historical Foundations
  - 9 hrs
- C. Mathematical Foundations
  - 1. Select MAC 2311
  - 4 hrs
  - 2. Prefer STA 1060C
  - 3 hrs
- D. Social Foundations
  - 6 hrs
- E. Science Foundations
  - 1. Select PHY 2048 & L (PR:MAC 2311)
  - 4 hrs
  - 2. Select BSC 2010C
  - 4 hrs

#### 2. Common Program Prerequisites (22 hrs)

- CHM 2045C* Chem Fund I
  - 4 hrs
- CHM 2046 & L Chem Fund II & lab
  - 4 hrs
- CHM 2210 Organic Chem. I
  - 3 hrs
- CHM 2211 Organic Chem. II
  - 3 hrs
- MAC 2311 Calculus w/ Anal Geometry I
  - GEP
- MAC 2312 Calculus w/ Anal Geometry II
  - 4 hrs
- PHY 2048 & L* Physics Engr. & Sci. I & Lab
  - GEP
- PHY 2049 & L* Physics Engr. & Sci. II & Lab
  - 4 hrs

*See Transfer Notes for possible substitutes

*CHM 2040 plus CHM 2041 can substitute for CHM 2045C

#### 3. Core requirements (39 hrs)

- MAC 2313 Calculus w/ Anal Geometry III
  - 4 hrs
- CHM 2211L Organic Lab Techniques I
  - 2 hrs
- CHM 2312L Organic Lab Techniques II
  - 2 hrs
- CHM 3120 & L Analytical Chemistry & Lab
  - 4 hrs
- CHM 3410 Physical Chemistry I
  - 4 hrs
- CHM 3411 Physical Chemistry II
  - 3 hrs
- CHM 3411L Physical Chemistry Lab
  - 2 hrs
- CHM 4610 Inorganic Chemistry
  - 3 hrs
- CHM 4610L Inorganic Chemistry Lab
  - 2 hrs
- CHM 4130C Adv Analytical Lab Technique
  - 4 hrs
- CHM 4914C Undergraduate Research Methods
  - 1 hrs
- CHM 4912 Undergraduate Research
  - 4 hrs
- CHM 4930 Chemistry Seminar
  - 1 hrs
- PHY 2048 & L Phys Engr. & Sci. I & Lab
  - CPP
- PHY 2049 & L Phys Engr. & Sci. II & Lab
  - CPP
- BCH 4053 Biochemistry I
  - 3 hrs
- BSC 2010C Biology I
  - GEP

Select one of the following:

- STA 1060C Statistics Using Excel
  - CPP
- STA 2023 Statistical Methods I
  - GEP
- CGS 1000C Intro to Computer Science
  - 4 hrs

* See Transfer Notes for possible substitutes

#### 4. Upper Division Restricted Electives (6 hrs)

- BCH 4054 Biochemistry II
  - 3 hrs
- CHM 5255 Advanced Organic Chem I
  - 3 hrs
- CHM 4220 Organic Chem III
  - 3 hrs
- CHM 5235 Applied Molec Spectroscopy
  - 3 hrs
- CHM 5550 Advanced Physical Chem
  - 3 hrs
- CHM 5450 Polymer Chemistry
  - 3 hrs
- CHM 5451C Techniques in Polymer Chemistry
  - 3 hrs
- CHS 4200 Concepts in Industrial Chem
  - 3 hrs
- CHS 4615 Environmental Chem
  - 3 hrs

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### UCF Degree Programs

UCF Degree Programs
UCF Degree Programs

5. Directed Electives (3 hrs)
Course will be selected with the aid of a departmental advisor and approved in advance by the department chair. Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

6. Departmental Exit Requirements
- Complete a minimum of 24 Chemistry credits at UCF
- Achieve at least a “C” GPA (2.0) in all UCF Chemistry courses and an overall 2.0 GPA in all Chemistry courses used to satisfy this requirement
- Grades earned in CHM 4914C, CHM 4930 and CHM 4912 will not be applied in the determination of the Chemistry GPA
- Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Computer Competency met by STA 1060C, a computer science course, or by departmental assessment
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF

7. Foreign Language Requirements (0-8 hrs)
Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed.
  Note: Chemistry majors may count MAC 2313, CHM 2211, and PHY 2049 as upper division credit.
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours
Related Programs: Forensic Science, Molecular and Biology, Microbiology, Science Education
Related Minors: Chemistry, Molecular and Microbiology

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- CHM 2045C*: may use CHM 1040 plus CHM 1041
- PHY 2048 & Lab: may use PHY 2053C. However PHY 2048 & Lab is required and will still have to be taken.
- PHY 2049* & Lab: may use PHY 2054C. However PHY 2049 & Lab is requ126ed and will still have to be taken
- Physics: CPP requirements may permit substitution by Organic Chemistry (CHM 2210 & 2211). However, both Physics courses and Organic Chemistry classes are required for graduation.

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternatives in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
Chem test See catalog 0
Math test See catalog 0

Freshman Year
Fall
BSC 2010C Biology I 4
ENC 1101 Composition I 3
MAC 2311 Calc Anal Geo I 4
CHM 2045C Chemistry Fund I 4
MAC 2121 Calc Anal Geo II 4

Spring
BSC 2010C Biology I 4
ENC 1101 Composition I 3
MAC 2311 Calc Anal Geo I 4
CHM 2045C Chemistry Fund I 4
MAC 2121 Calc Anal Geo II 4

Sophomore Year
Fall
PHY 2048 Phy for Eng Sci I 3
PHY 2048L Phy L Eng Sci I 1
STA 1060C Stat Using Excel 3
CHM 2210 Organic Chm I 3
MAC 2131 Calc Anal Geo III 4
Elective Check restrictions

Spring
PHY 2048 Phy for Eng Sci I 3
PHY 2048L Phy L Eng Sci I 1
STA 1060C Stat Using Excel 3
CHM 2210 Organic Chm I 3
MAC 2131 Calc Anal Geo III 4
Elective Check restrictions

Junior Year
Fall
PHY 2048 Phy for Eng Sci I 3
PHY 2048L Phy L Eng Sci I 1
CHM 2210 Organic Chm I 3
MAC 3211 Organic L Tech II 2
CHM 3410 Physical Chm I 3
Elective Check restrictions

Spring
PHY 2048 Phy for Eng Sci I 3
PHY 2048L Phy L Eng Sci I 1
CHM 2210 Organic Chm I 3
MAC 3211 Organic L Tech II 2
CHM 3410 Physical Chm I 3
Elective Check restrictions

Senior Year
Fall
HUM 2210 req# 1B1-GE 3
CHM 4914C undergrad Res Meth 4
CHM 4610L Inorg Chemistry L 2
SPC 1063* req# 5-Div I 3
Elective Check restrictions 3

Spring
HUM 2210 req# 1B1-GE 3
CHM 4914C undergrad Res Meth 4
CHM 4610L Inorg Chemistry L 2
SPC 1063* req# 5-Div I 3
Elective Check restrictions 3

CINEMA STUDIES TRACK in FILM
See Film - Cinema Studies Track

CIVIL ENGINEERING (B.S.C.E.)
College of Engineering and Computer Science
Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-Mail: cppohl@mail.ucf.edu
Associate Chair: Shiu-San Kuo, Ph.D., P.E., E-Mail: aoloufaku@ucf.edu

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

Degree Requirements
Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program for (36+2 hrs)
Engineering Students
The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/ Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.
UCF Degree Programs

A. Communication Foundations
1. ENC 1101 & ENC 1102
2. Prefer SPC 1016

B. Cultural and Historical Foundations
1. Select two courses from Historical Foundations
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIl 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations
1. Select MAC 2311 (PR: MAC 1144)
2. Select STA 3032 (PR: MAC 2312)

D. Social Foundations
1. Prefer ECO 2013 or ECO 2023.

E. Science Foundations
2. Prefer GEO 1200

2. Common Program Prerequisites (CPP’s) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available other at Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

CHM 2045C/45L Chemistry Fundamentals I with Lab 4 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048/48L Physics for Engineers & Scientists I GEP 4 hrs
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
Humanities Courses GEP
Social Science Courses GEP
Humanities or Social Sciences GEP

3. Courses Required for the Major (62 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
CHM 2046 Chemistry Fundamentals II 3 hrs
EGN 3310 Engineering Analysis - Statics 3 hrs
EGN 3321 Engineering Analysis - Dynamics 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3353 Structure & Properties of Materials 3 hrs
EGN 3371 Principles of Electrical Engineering 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
CCE 4003 Intro to the Construction Industry 3 hrs
ENV 3001 Intro to Environmental Engineering 3 hrs
STA 3023 Probability & Statistics for Engineers GEP
EGN 4101C Geotechnical Engineering I 4 hrs
CES 4100C Structural Analysis I 4 hrs
CES 4050 Steel Structures or
CES 4702 Reinforced Concrete Structures 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
CWR 4101C Hydrology 3 hrs
CWR 4203C Hydraulics 3 hrs
ENV 4561 Environmental Engnr-Process Design 4 hrs
SUR 2101C Surveying 3 hrs
TTE 4004 Transportation Engineering 4 hrs

4. Approved Technical Electives (3 hrs)
Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

5. Departmental Graduation Requirements (6 hrs)
• Approved CE Project Design Course I 3 hrs
• Approved CE Project Design Course II 3 hrs
• Civil engineering students must take the Fundamentals Exam during their Senior year.
• Earn a minimum graduating GPA of 2.25 in the major courses from item 3. above, the technical electives in item 4. above, and the approved CE project design courses.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

7. University Minimum Graduation Requirements
• A 2.0 UCF GPA.
• 60 semester hours earned after any CLEP award.
• 48 semester hours of upper division credit completed.
• 30 of the last 36 hours of course work must be completed in residency at UCF.
• 25% of course work must be completed in residency at UCF.
• A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
• Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Environmental Engineering
Related Minors: Mathematics, Engineering Leadership & Management.
Transfer Notes:
Courses taken from Community Colleges do not substitute for Upper Division Courses
Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Civil Engineering - 128 semester hours required

FIRST YEAR
Fall 14 hrs 1 Spring 15 hrs 1
*ENC 1101 English Comp I 3 hrs *ENC 1102 English Comp II 3 hrs
*MAC 2311 Calc w/Analy Geo I 4 hrs *MAC 2312 Calc w/Analy Geo II 4 hrs
*MAC 2313 Calc w/Analy Geo III 4 hrs *MAP 2302 Diff Equations 3 hrs
*PHY 2049/L Phys Engr I w/lab 4 hrs *PHY 2049/L Phys Engr II w/lab 4 hrs
*ECO 2013 Macroeconomics 3 hrs *ECO 2023 Microeconomics 3 hrs
*GEO 1200 Engr Preparedness 3 hrs *EGN 1006C Intro to Eng Prof 1 hr
EGN 1007C Eng Con & Meth 1 hr

SECOND YEAR
Fall 16 hrs 1 Spring 16 hrs 1
*MAC 2311 Calc w/Analy Geo III 4 hrs *MAP 2302 Diff Equations 3 hrs
*MAC 2313 Calc w/Analy Geo III 4 hrs *CHM 2045C/45L Chem Fund I 3 hrs
*CHM 2046 Chem Fund II 3 hrs *HUM/AMH/EUH - I 3 hrs
*SPO 1016 Tech Presentations 3 hrs *SPO 1032 Tech Presentations 3 hrs
*PHY 2048/48L Phys Engr I w/lab 4 hrs *PHY 2048/48L Phys Engr II w/lab 4 hrs
*CWR 3201 Eng Fluid Mechanics 3 hrs *CWR 4101C Hydrology 3 hrs
*CES 4100C Structural Analysis I 4 hrs *CWR 4203C Hydraulics 3 hrs
*CES 4050 Steel Structures or
*CWR 4702 Reinforced Concrete Structures 3 hrs *CES 4373 Thermodynamics 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs *CES 4100C Structural Analysis I 3 hrs
CWR 4101C Hydrology 3 hrs *SUR 2101C Surveying 3 hrs
CWR 4203C Hydraulics 3 hrs *TTE 4004 Transportation Eng 4 hrs
ENV 4561 Environmental Engnr-Process Design 4 hrs
ENV 3001 Intro to Environ Eng 3 hrs

THIRD YEAR
Fall 16 hrs 1 Spring 16 hrs 1
CWR 3201 Eng Fluid Mechanics 3 hrs CWR 4101C Hydrology 3 hrs
CCE 4003 Intro to Const Indus 3 hrs CCE 4203C Hydraulics 3 hrs
EGN 3343 Thermodynamics 3 hrs EGN 3373 Pinn Elec Eng 3 hrs
CES 4100C Structural Analysis I 4 hrs CES 4100C Structural Analysis I 3 hrs
SUR 2101C Surveying 3 hrs *SUR 2101C Surveying 3 hrs
TTE 4004 Transportation Eng 4 hrs

FOURTH YEAR
Fall 14 hrs 1 Spring 12 hrs
ENV 4561 Env Eng-Proc Design 4 hrs Approved Project Design Course 3 hrs
CWR 3201 Eng Fluid Mechanics 3 hrs CES 4702 Reinforced Concrete Strctrs 3 hrs
CWR 4101C Geotechnical Engr 4 hrs CES 4605 Steel Structures 3 hrs
or Technical Elective
CWR 4702 Reinforced Concrete Structures 3 hrs or Technical Elective
Approved Project Design Course 3 hrs
EGN 1006C Intro to Environ Eng 3 hrs
EGN 1007C Eng Con & Meth 1 hr
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.

Transfer Notes:
Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Total Semester Hours Required: 128 hrs
BS to PhD Program

The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master's followed by the PhD.

CIVIL ENGINEERING - CONSTRUCTION ENGINEERING CONCENTRATION (B.S.C.E.)

College of Engineering and Computer Science

Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-mail: cpoohl@mail.ucf.edu
Construction Program Director: Amr A. Oloufa, Ph.D., P.E. E-mail: aoloufa@mail.ucf.edu

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

Degree Requirements
Each engineering student is assigned a qualified engineering advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program for Engineering Students
The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations 9 hrs
1. ENC 1101 & ENC 1102
2. Prefer SPC 1016
B. Cultural and Historical Foundations 9 hrs
1. Select two courses from the following:
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2120
C. Mathematical Foundations 7 hrs
1. Select MAC 2311 (Pr: MAC 1141).
2. Select STA 3023 (Pr: MAC 2312)
D. Social Foundations 6 hrs
1. Prefer ECO 2013 or ECO 2023.
E. History, Science, and Philosophy 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.

CHM 2045C/45L Chemistry Fundamentals I with Lab 4 hrs
MAC 2311 Calculus w/Analytic Geometry I GEP
MAC 2312 Calculus w/Analytic Geometry II 4 hrs
MAC 2313 Calculus w/Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048/48L Physics for Engineers & Scientists I GEP
PHY 2049/49L Physics for Engineers & Scientists II 4 hrs
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP

Humanities Courses GEP
Social Science Courses GEP
Humanities or Social Sciences GEP

3. Courses Required for the Major (62 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
CHM 2046 Chemistry Fundamentals II 3 hrs
EGN 3310 Engineering Analysis - Statics 3 hrs
EGN 3321 Engineering Analysis - Dynamics 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
ENV 3001 Intro to Environmental Engineering 3 hrs
STA 3042 Probability & Statistics for Engineers 3 hrs
CCE 4613 Mech & Elec Systems for Buildings 4 hrs
CCE 4402 Construction Equip & Productivity 3 hrs
EGN 3365 Struc & Prop of Materials 3 hrs
CCE 4004 Construction Methods 3 hrs
CCE 4034 Construction Estimating & Scheduling 3 hrs
EGN 4403 Intro to the Construction Industry 3 hrs
CEG 4101C Geotechnical Engineering I 4 hrs
CES 4000C Structural Analysis I 4 hrs
CES 4702 Reinforced Concrete Structures 3 hrs
CWR 3000R Construction Fluid Mechanics 3 hrs
ACG 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 BSCE program to address specific student interests in a variety of technical areas. Students are encouraged to take either EGN 3343 (Thermodynamics) or EGN 3373 (Principles of Elect Engr) as the technical elective. Other courses from the list of approved technical electives may be used with the approval of the department advisor. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

5. Departmental Graduation Requirements (6 hrs)
- CCE 4810C Construction Engr. Design Project 3 hrs
- CEG 4801C Geotechnical Engr. Design 3 hrs
- Civil 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 CE project design courses.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP,
Credit by Exam, and Armed Forces credits permitted

- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Environmental Engineering

Related Minors: Mathematics, Engineering Leadership & Management

Transfer Notes:
- Courses taken from Community Colleges do not substitute for Upper Division Courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Civil Engineering - Construction Engineering Option

128 semester hours required

**FIRST YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs¹</th>
<th>Spring</th>
<th>15 hrs¹</th>
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<tr>
<td>ENC 1101 Eng Comp I</td>
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<td>ENC 1102 Eng Comp II</td>
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<tr>
<td>MAC 2311 Calc w/Analy Geo I</td>
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<td>MAC 2312 Calc w/Analy Geo II</td>
<td>4</td>
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<tr>
<td>SPC 1016 Tech Presentations</td>
<td>3</td>
<td>PHY 2048/L Phys Engr I w/lab</td>
<td>4</td>
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<tr>
<td>ECO 2013 Macroeconomics</td>
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<td>ANT/PSY/SYG</td>
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<td>ECO 2023 Microeconomics</td>
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<td>GEO GLY/BSC</td>
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<tr>
<td>JEN 1006C Intro To Eng Prof</td>
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<td>JEN 1007C Eng Con &amp; Meth</td>
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**SECOND YEAR**

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<tr>
<td>MAC 2313 Calc w/Analy Geo III</td>
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<td>MAP 2022 Diff Equations</td>
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<td>CHM 2046 Chem Funds II</td>
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<td>PHY 2048/L Phys Engr II w/lab</td>
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<td>JEN 3310 Engr Anal - Statics</td>
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<td>JEN 3311 Eng Anal - Statics</td>
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<tr>
<td>JEN 3613 Engr Ecn Anal</td>
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<td>EGG 3331 Mech of Materials</td>
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**Summer**

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<td>STA 3032 Prob/Stats Engineers</td>
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<td>ENV 3001 Intro to Environ Eng</td>
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**THIRD YEAR**

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<tr>
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<td>Engineering Science Elective²</td>
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<td>CCE 4003 Intr Constr. Industry</td>
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<td>CES 4702 Reinforced Concrete Structures</td>
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<td>CES 4101C Structural Analysis I</td>
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<td>CCE 4004 Construct Methods</td>
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<td>SUR 2101C Surveying</td>
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<td>Cultural/Historical Elective</td>
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<td>JEN 3365 Struc &amp; Prop of Mat</td>
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<td>CWR 3201 Eng Fluid Mechanics</td>
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**FOURTH YEAR**

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<tr>
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<td>CCE 4810C Constr Design Project</td>
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<td>CCE 4034 Constr Est &amp; Sched</td>
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<td>CCE 4402 Constr Equip &amp; Prod</td>
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<tr>
<td>CEG 4101C Geotechnical Engr</td>
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<td>CEG 4801C Geotech Eng Design</td>
<td>3</td>
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<tr>
<td>CCE 4813 Mech &amp; Elec Bldgs</td>
<td>4</td>
<td>ACG 2071 Prim Mgrl Accounting</td>
<td>3</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 this catalog for further information.
2. Engineering Science Elective may be satisfied by taking either EGN 3343 or EGN 3373, other courses must be approved by Program Director.
3. Either CES 4605 Steel Structures or CES 4702 Reinforced Concrete Structures is required for all students.
4. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.

**Comm.程 Required Courses**

- DEP 2004 Developmental Psychology (6 hrs)
- SPA 3471 Communication Disorders in Literature and Media (3 hrs)
- SPA 3510 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 yrs (3 hrs)
- SPA 3061 Speech Science I: Speech Production (3 hrs)
- SPA 3011L Speech Production Lab (1 hr)
- LIN 3717 Language Development: 9 through 18 yrs (3 hrs)
- SPA 3104 Neural Bases of Communication (3 hrs)
- SPA 3123 Speech Science II: Speech Perception (3 hrs)
- SPA 3123L Speech Perception Lab (1 hr)
- SPA 4476 Speech Disorders Across the Lifespan (3 hrs)
- SPA 4032 Audiology (3 hrs)
- SPA 4478 Multicultural Aspects: Communications Disorders and Differences (3 hrs)
- LIN 4711 Language Analysis (3 hrs)
- LIN 4711L Language Analysis Lab (1 hr)
- SPA 4400 Language Disorders Across the Lifespan (3 hrs)
- SPA 4321 Aural Habilitation-Rehabilitation (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 3307 Learning Environments and Guidance for Young Children (3 hrs)
- SPA 3472 Guidance of Young Children w/Communicative Disorders (3 hrs)
- SPA 4550C Clinical Methods in Communicative Disorders (5 hrs)
- SPA 4052L* Undergraduate Clinical Practicum (3 hrs)
- SPA 4948 Community Internship (3 hrs)

**Statistics Requirement**

Students have two options for completing this requirement:

**Option 1:**
- STA 2023 Statistical Methods I GEP and (3 hrs)
5. Upper Division Restricted Electives (6 hrs)

An additional six credit hours of upper division course work in Communicative Disorders selected in consultation with the academic advisor.

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 science courses (six credit hours) approved by the Department.

7. Foreign Language Requirements

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. ASL (American Sign Language) can be used to fulfill the foreign language admission requirement.

Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Departmental Exit Requirements

Students must achieve a minimum grade of “C-” (1.75) in all required courses, restricted electives, and B.A./B.S. electives in the Department.

Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

9. University Minimum Exit Requirements (120 hrs)

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours

Related Programs: Health Services Administration, Physical Therapy, Psychology, Social Work, Exceptional Education
Related Minors: Exceptional Education, Aging Studies, Health Services Administration, Interpersonal Communication, Linguistics, Psychology

Transfer Notes:

- “D” (1.0) grades are not accepted
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2023 to fulfill the first part of the statistics requirement

Tentative Course Schedule for Entering Freshmen

Freshman Year

Fall 16 hrs
ENC 1101 3
PSY 2012 3
BSC 1005 3
One Course: ARH 2050 or ARH 2051, or MUL 2010, or THE 2000, or REL 2300, or PHI 2010, or Lit 2110, or Lit 2120 3
Elective 3

Spring 15 hrs
ENC 1102 3
PSY 1121 or PHY 2053C 3
ECO 2013 or ECO 2023 3
or POS 2041 3
EUE 2000 or HUM 2210 3
or AMH 2010 or DEP 2004 3

Sophomore Year

Fall 15/16 hrs
SPC 1600 3
EUE 2001 or HUM 2230 3

Spring 16/17 hrs
SPA 3112 and SPA 3112L 4
Restricted Elective 3

or AMH 2020
or GOF 1106 or MAC 1105 3
or EED 4601 or ECC 4604 or SPA 3471 3
or Foreign Lang I (B.A.) or Health Science (B.S.)
or SPA 3471 3

Senior Year

Fall 15 hrs
SPA 4032 3
SPA 4400 3
LPN 4711 and 4711L 4
SPA 4550C 5

Spring 15 hrs
SPA 4032 3
SPA 4400 3
SPA 4948 3
or EED 4601 or SPA 3471 3
or Foreign Lang II (B.A.)

Student Year

Fall 13 hrs
LIN 3716 3
SPA 3011 and SPA 3011L 4

Spring 16 hrs
SPA 3101 3
Elective or STA 2023 3

Note: Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master’s degree in Communicative Disorders. Minimum requirements for entry into the graduate program typically include at least a 3.0 GPA in the last 60 hours of undergraduate work in the major. Entry level positions to provide speech and language services are available in some Florida school districts. Under the 2/5 Rule, individuals employed in these positions have two years from the date of employment to enroll in a master’s program in Communicative Disorders and five years to complete the degree.

COMPUTER ENGINEERING (B.S.Cp.E.)

College of Engineering and Computer Science
Department of Electrical and Computer Engineering & Computer Science

Admission Requirements:

All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

Degree Requirements

Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program for (36+2 hrs)

Engineering Students

The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations

1. ENC 1101 & ENC 1102.
2. Prefer SPC 1016

B. Cultural and Historical Foundations

1. Select two courses from Historical Foundations.
2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations

1. Select MAC 2311 (PR: MAC 1114).
2. Select STA 3032 (PR: MAC 2312).
D. Social Foundations 6 hrs
1. Prefer ECO 2013 or ECO 2023.

E. Science Foundations 7 hrs
1. Select PHY 2048/2048L (PR: MAC 2311)
2. ANT 2011, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP’s) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-
requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

3. Courses Required for the Engineering Core (14 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

4. Courses Required for the Major (45 hrs)

5. Approved Technical Electives (6 hrs)
Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Departmental Graduation Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs


Transfer Notes:
- Courses transferred from Community Colleges do not substitute for Upper Division Courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Computer Engineering - 128 semester hours required

FIRST YEAR
Fall EGN 1006C Eng Capstone I 3 EEL 3342C Intro to Digital Circuits 3
Spring EGN 1007C Eng Capstone II 3 EEL 3306C Logic Design 3

SECOND YEAR
Fall EEL 3320C Circuits I 3 EGN 3310 Engineering Analysis - Statics 3
Spring EGN 3321 Engineering Analysis - Dynamics or EEL 3321C Circuits II 3

THIRD YEAR
Fall EEL 3322C Circuits III 3 EEL 3367C Linear Control Systems 3
Spring EEL 3323C Circuits IV 3 EEL 3376C Digital Signal Processing 3

FOURTH YEAR
Fall EEL 3377C Digital Signal Processing 3 EEL 3378C Microcontrollers 3
Spring EEL 3380C Embedded Systems 3 EEL 3381C Advanced Controls 3

Notes:
- Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in 4. below technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

4. Courses Required for the Major (45 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.

5. Approved Software Technical Electives (6 hrs)

Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Departmental Graduation Requirements (6 hrs)

EEL 3657 Linear Control Systems 3 hrs
EEL 3342C Intro to Digital Circuits & Systems 3 hrs
EEL 3307C Electronics I 4 hrs
EEL 2050, ARH 2051, MUL 2010, THE 2000, REL 2300, PHI 2010, LIT 2110, or LIT 2120

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 residence at UCF.
25% of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs


Transfer Notes:
Courses taken from Community Colleges do not substitute for Upper Division Courses.
Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen

3. Courses Required for the Engineering Core (14 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in 4. below technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

5. Approved Software Technical Electives (6 hrs)

Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Departmental Graduation Requirements (6 hrs)

EEL 3657 Linear Control Systems 3 hrs
EEL 3342C Intro to Digital Circuits & Systems 3 hrs
EEL 3307C Electronics I 4 hrs
EEL 2050, ARH 2051, MUL 2010, THE 2000, REL 2300, PHI 2010, LIT 2110, or LIT 2120

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 residence at UCF.
25% of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs


Transfer Notes:
Courses taken from Community Colleges do not substitute for Upper Division Courses.
Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

### Computer Engineering

#### FIRST YEAR

**Fall**
- *Cultural Foundations* 3
- *ENC 1101 English Comp I* 3
- *SPE 1016 Tech Presentations* 3
- EGN 1000C Intro to Engg 1
- *MAC 2311 Calc with Analytic Geo I* 4
- Summer 10 hrs
- *Historical Foundations* 1
- *Science Foundations* 2
- *MAC 2313 Calc with Analytic Geo III* 4

#### SECOND YEAR

**Fall**
- *MAP 2302 Diff Equations* 3
- *PH 2049 Phys Engr/Sci II* 3
- *PH 2049L Lab Engr/Sci II* 1
- *CNS 1440 Chem for Engr* 4
- EGN 3310 Engr Anal-Statis 3
- EEL 3342C Intro Dig Circ/ Sys 3
- Summer 6 hrs
- *ECE 2013 Macroeconomics or* 3
- *ECE 2203 Microeconomics* 3
- *Historical Foundations* 1

#### THIRD YEAR

**Fall**
- EEL 3306 Semicon'dr Dev I 3
- EEL 4851C Eng Data Struc 4
- STA 3032 Prob/Stats for Engr 3
- EEL 3123 Networks and Systems 4
- Spring 14 hrs
- EEL 3307C Electronics I 3
- EEL 3673 Linear ContSys 3
- EEL 4767C Cmp Sys Des'n I 4
- EEL 4882 Engng Sys S/W 3

#### FOURTH YEAR

**Fall**
- EEL 4768C Cmp Sys Desgn II 4
- EEL 4884C Engr S/W Desgn 4
- EEL 4914 Senior Design I 3
- Approved software technical elective 3
- Spring 12 hrs
- *Social Foundations* 1
- EEL 4310 Comp Desgn S/W Engr 3
- EEL 4915L Senior Design II 3
- *EEN 4781 Comms by Mtks* 3

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. Assumes knowledge of a higher level programming language (C preferred).
3. EGN 1006C and EGN 107C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department advisor, be moved to the area 4. Approved Technical Electives.

### COMPUTER SCIENCE (B.S.)

**College of Engineering and Computer Science**

**School of Electrical Engineering & Computer Science**

**Harris Corp Engineering Ctr, Rm 245**


**E-mail:** computerscience@ucf.edu

David Workman, 407-823-2341

**Foundation Examination**

Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

**Degree Requirements**

- Students must 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.

### UCF Degree Programs

1. **UCF General Education Program**
   - (36+3 hrs)
   - **A. Communication Foundations**
   - 9 hrs
   - 1. ENC 1101 & ENC 1102
   - 2. Prefer SPC 1016

   - **B. Cultural and Historical Foundations**
   - 9 hrs
   - 1. Select MAC 2311 (PR: MAC 1141) 4 hrs
   - 2. Select STA 2023 3 hrs
   - 3. Social Foundations 6 hrs
   - **C. Mathematical Foundations**
   - 7 hrs
   - 1. Select MAC 2311 (PR: MAC 1141) 4 hrs
   - 2. Select STA 2023 3 hrs
   - **E. Science Foundations**
   - 8 hrs
   - 1. Select PHY 2048 & L ((PR:MAC 2311) 4 hrs + GEP
   - 2. Prefer BSC 2010C & L

2. **Common Program Prerequisites**
   - (15 hrs)
   - **COP 2323** C Programming
   - **MAC 2311** Calculus with Analytic Geo I
   - **MAC 2312** Calculus with Analytic Geo II
   - **PH 2048 & L** Physics for Engr & Sci I & Lab
   - **PHY 2049 & L** Physics for Engr & Sci II & Lab
   - Select two science courses designed for majors
   - Examples of acceptable science courses include:
   - **BSC 2010C** Biology I
   - **BSC 2011C** Biology II
   - **CHM 2045C** Chem. Fund I
   - **CHM 2046** Chem. Fund II

3. **Basic Core Requirements**
   - (26 hrs)
   - **COP 3330** Intro to OD Programming
   - **COP 3502C** Computer Science I
   - **COP 3503C** Computer Science II
   - **STA 2023** Statistical Methods I
   - **ENC 3241** Technical Report Writing
   - **CDM 3030** Computer Organization
   - **EEL 4768C** Computer Architecture
   - **COT 3100C** Intro to Discrete Structures
   - **PH 4362** Ethics in Science and Technology
   - **COP 3402C** Systems Software
   - **COT 3969** C Programming
   - **COP 3960** Operating Systems

4. **Advanced Core**
   - (16 hrs)
   - Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.
   - **COP 4331** Processes for OD Software Development
   - **COP 4310** Comp Architecture
   - **COT 4210** Discrete Comp Structures
   - **COP 4020** Programming Languages I
   - **COP 4060** Operating Systems

5. **Restricted Electives**
   - (18 hrs)
   - **4000-5000 level Computer Science courses**
   - **4000-5000 level mathematics or statistics**
   - **4000-5000 level Computer Science courses**
   - **4000-5000 level mathematics or statistics**
   - Offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internships or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

6. **School Exit Requirements**
   - Complete an exit survey
   - Computer Competency met by completion of major

7. **Foreign Language Requirements**
   - (0-4 hrs)
   - **Admission:** Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   - **Graduation:** Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. **Electives**
   - (variable)
   - Select primarily from upper level courses, with the student's advisor's approval. May be outside of the department.
9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Computer Engineering, Information Technology, Management Information Systems
Related Minors and Certificates: Information Technology, Computer Science, Intelligent Robotic Systems, Secure Computing and Networks

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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CRIMINAL JUSTICE (B.A./B.S.)
College of Health and Public Affairs
HPA1 311 407-823-2603
http://www.cohpa.ucf.edu/crim.jus/
Undergraduate Program Coordinator: Dr. Mary Ann Eastep
E-mail: cjadvice@mail.ucf.edu
Admission Requirements none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 80 hours
- Students must earn a minimum 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural Historical Foundations 9 hrs
   C. Mathematical Foundations 6 hrs
   D. Social Foundations 6 hrs

2. Common Program Prerequisites none

3. Core Requirements (18 hrs)
   CCJ 3024 Criminal Justice System 3 hrs
   CCJ 3014 Crime in America 3 hrs
   CJC 3510 Prosecution and Adjudication 3 hrs
   CJC 3910 Corrections and Penology 3 hrs
   CJE 4014 Police and Society 3 hrs
   CCJ 4701 Research Methods in Criminal Justice 3 hrs

4. Upper Division Restricted Electives (42 hrs)
   - 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internships or independent study credit.
   - 15 additional semester hours of supporting courses to be selected from an approved list provided by the Department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the Department with a minimum of 15 semester hours credit.

5. Upper Division Unrestricted Electives none

6. Departmental Exit Requirements (120 hrs)
   Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice.

7. Foreign Language Requirements
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
Related Programs: Legal Studies
Related Minors: Legal Studies, Public Administration, Psychology.
Transfer Notes:
   “D” (1.0) grades are not accepted.

Tentative Course Schedule for Entering Freshmen

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA 2006-2007 Undergraduate Catalog
UCF Degree Programs

Criminal Justice (B.S.)
A.S. to B.S. Track

Note: For detailed information about this program, see description in the AS to BS Programs section.

Digital Media (B.A.)

College of Arts and Humanities
School of Film and Digital Media

http://www.dm.ucf.edu

E-mail: digitalmedia@dm.ucf.edu

Director of School: Dr. Terry Frederick
Head of Digital Media Division: Dr. Clint Bowers

The UCF Digital Media Program allows students to integrate the multiple disciplines of art, literature, 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. Two concentration areas: Visual Language and Digital Interactive Systems lead to a Bachelor of Arts degree.

Note: Although the Program maintains a small computer lab for student use, Digital Media majors must have continual access to a computer. Contact Digital Media or see the website (www.dm.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements

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.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken at UCF.
- Co-op or internship credits are not permitted in this major without prior written permission.

- Students should see an advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     - 9 hrs
   - B. Cultural and Historical Foundations
     - Take one course from 1.B.1 list
       - Select ARH 2050
     - If Digital Interactive Systems take ARH 2050 or MUL 2010
     - Take one course from either 1.B.1 or 1.B.2
       - 3 hrs
   - C. Mathematical Foundations
     - Select MAC 1105 College Algebra and
       - Select COP 2500 Concepts in Computer Science
       - Note: these two courses fulfill the math GEP
       - 6 hrs
   - D. Social Foundations
     - 6 hrs
   - E. Science Foundations
     - 6 hrs

2. School of Film and Digital Media Common Core (15 hrs)
   - DIG 3001* Digital Media Principles
     - 3 hrs
   - FIL 1007 Foundations of Story
     - 3 hrs
   - FIL 1008 Cinematic Expression/Aesthetics
     - 3 hrs
   - FIL 2107 Script Analysis
     - 3 hrs
   - FIL 2224C Foundations of Production
     - 3 hrs

3. Specialization. Choose one of the following 2 areas:

Visual Language (B.A.) (60 hrs)

This specialization concerns how to tell stories and communicate using the visual language of the moving image, animation, and cinematic visual effects.

3A: Visual Language – Program Core: (15 hrs)
   - ARH 2050 History of Western Art I
     - GEP
   - ART 2300C Drawing Fundamentals I
     - 3 hrs
   - ART 2301C Drawing Fundamentals II
     - 3 hrs
   - COP 2500C Concepts in Computer Science
     - 3 hrs
   - DIG 3485 Visual Language of the Moving Image
     - 3 hrs
   - DIG 3480C Computers as Medium
     - 4 hrs
   - DIG 3525 Digital Media Production I
     - 3 hrs
   - MAC 1105 College Algebra
     - GEP

* See transfer notes for possible substitutions.

3B: Visual Language - Basic Concentration: (15 hrs)

Note: Admission to all courses after DIG 3485 is dependent on the student's achieving an 'A' or 'B' in DIG 3001 and an 'A' in the Core course DIG 3485- Visual Language of the Moving Image.

DIG 3355 Artificial Environments & Effects
   - 3 hrs
DIG 3362 Artificial Characters
   - 3 hrs
DIG 3430 Visual Storytelling & Visual Develop
   - 3 hrs
DIG 3524 The Production Process
   - 3 hrs
DIG 4204 Generating and Manipulating Digital Imagery
   - 3 hrs

3C: Visual Language - Advanced Concentration: (25 hrs)

Note: Admission to the Advanced Concentration is dependent on a portfolio review by faculty.

Choose ten seven of the following courses:

DIG 4206C New Imagery in Motion Workshop
   - 4 hrs
DIG 4325C Look Modeling Workshop
   - 4 hrs
DIG 4326C Geometric Modeling Workshop
   - 4 hrs
DIG 4359C Artificial Environment & Effects Workshop
   - 4 hrs
DIG 4369C Artificial Characters Workshop
   - 4 hrs
DIG 4451C Visual Storytelling & Visual Dev Workshop
   - 4 hrs
DIG 4522L Digital Media Service
   - 3 hrs
DIG 4524L Digital Media Project I
   - 3 hrs
DIG 4526C Digital Media Production II
   - 3 hrs
IDS 4786C Production Software
   - 3 hrs
IDS 4703 Digital Media Project II
   - 3 hrs

Digital Interactive Systems (B.A.): (60 hrs)

Note: Admission to all courses after DIG 3001 is dependent on the student's achieving an 'A' or 'B' in DIG 3001.

3A: Digital Interactive Systems Program Core: (21-22 hrs)
   - COP 2500C Concepts in Computer Science
     - GEP
   - DIG 3480C Computers as Medium
     - 4 hrs
   - DIG 3485 Visual Language of the Moving Image
     - 3 hrs
   - DIG 3525 Digital Media Production I
     - 3 hrs
   - DIG 3821 Creative Digital Problem Solving
     - 3 hrs
   - DIG 3811 User Centered Design
     - 3 hrs
   - DIG 3XXX Information Management and Authorship
     - 3 hrs
   - DIG 3XXX Writing for Digital Media
     - 3 hrs
3B: Digital Interactive Systems Basic Concentration: (15 hrs)
- DIG 3135C Digital Imagery 3 hrs
- DIG 3286C Assembling Digital Media 3 hrs
- DIG 3XXX C Digital Media Audio 3 hrs
- DIG 4716L Internet Interaction 3 hrs
- DIG 4921C E-Commerce I 3 hrs
- FIL 3625 Interactive Entertainment 3 hrs

3C: Digital Interactive Systems Advanced Concentration: Select any seven of the following courses (20 hrs)
- DIG 3450C Interactive Performance I 3 hrs
- DIG 3855 Converging Media 3 hrs
- DIG 4324 Modeling for Real-time Systems II 3 hrs
- DIG 4455C Interactive Performance II 3 hrs
- DIG 4526C Digital Media Production II 3 hrs
- DIG 4640 Autonomous Media 3 hrs
- DIG 4641 Creative Digital Devices 3 hrs
- DIG 4713C Game Design 3 hrs
- DIG 4715C Game Engines 3 hrs
- DIG 4780 Modeling for Real-time Graphics 3 hrs
- DIG 4922 Media for E-Commerce II 3 hrs
- EME 5050 Technology Integration 3 hrs
- FIL 3297 Sound Design I 3 hrs
- FIL 3625 Interactive Entertainment 3 hrs
- FIL 4212C Sound Design II 3 hrs
- IDS 3701C Internet Software Design 3 hrs
- IDS 4703 Digital Media Project 2 3 hrs
- IDS 5136C Interactive Media Design 3 hrs

Or - any 3000 or 4000 level courses included in another Digital Media Concentration or any other 3000 or 4000 level IDS/DIG Digital Media course.

4. Capstone Experience: (4 hrs)
- DIG 3035L Digital Media Workplace 1 hr
- DIG 4522L Digital Media Service 3 hrs
- DIG 4523L Digital Media Project I 3 hrs

5. Foreign Language Requirements: (0-8 hrs)
BA requirements:
- Admission: Met by graduation requirement.
- Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

6. Electives: (variable)
Electives will consist of 3000 and 4000-level courses as approved by the student’s advisor. These electives may include IDS 4703 Digital Media Project 2, subject to acceptance in the project.

7. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Semester Hours Required: 120 hours

Related Programs: Art, Computer Science, English, Film, Music
Related Minors: Art-Studio, Computer Information Technology, Computer Science, Digital Media, English-Technical Writing, Film, Music

Transfer Notes:
- Grades less than “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**EARLY CHILDHOOD EDUCATION**
(PRE-KINDERGARTEN - PRIMARY PK-3) (B.S.)

College of Education
Department of Child, Family, and Community Sciences, ED 209
http://pegasus.cc.ucf.edu/~ecceucf

Program Coordinator: Lynn Hartle (until August 2006)
ED 206, 407-823-0045  E-mail: ece@mail.ucf.edu

Admission Requirements:
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete prerequisite courses
- Meet any special departmental requirements

Degree Requirements:
- Students should see their assigned advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours

1. UCF General Education Program: (36 hrs)
   A. Communication Foundations (9 hrs)
   - ENC 1101 Composition I 3 hrs
   - ENC 1102 Composition II 3 hrs
   - Select SPC 1600 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundations* (9 hrs)
   - Select AMH 2010 U.S. History 1492-1877 3 hrs
   - Select AMH 2020 U.S. History 1877-Present 3 hrs
   - Select PHI 2010 Introduction to Philosophy 3 hrs
   C. Mathematical Foundations* (6 hrs)
   - Select MGF 1106 Finite Mathematics 3 hrs
   - Select one:
     - STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
   D. Social Foundations (6 hrs)
   - Prefer POS 2041 American National Government 3 hrs
   - Select PSY 2012 General Psychology 3 hrs
   - Select one:
     - E. Science Foundations (6 hrs)
     - Prefer SPC 1121 Physical Science 3 hrs
     - Select one:
        - ANT 2511 The Human Species or BSC 1005 Biological Principles
   - Note: See laboratory component under Section 2.

2. Common Program Prerequisites: (25 hrs)
   A. Communications (9 hrs)
   - ENC 1101 Composition I GEP
   - ENC 1102 Composition II GEP
   - Select SPC 1600 Fundamentals of Oral Communication GEP
   B. Humanities (6 hrs)
   - PHI 2010 Introduction to Philosophy GEP
   - Select one:
     - ARH 2505 The History of Art I or ARH 2511 The History of Art II or MUL 2010 Enjoyment of Music or THE 2000 Theatre Survey or FIL 2400 History of Motion Pictures
   C. Mathematics (9 hrs)
   - MAC 1105 College Algebra 3 hrs
   - MGF 1106 Finite Mathematics GEP
   - One of the following (per GEP)
     - STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
     - STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
     - STA 2000C Principles of Statistics
   D. Social Science/History (12 hrs)
   - AMH 2010 U.S. History 1492-1877 GEP
   - AMH 2020 U.S. History 1877-Present GEP
   - POS 2041 American National Government GEP
   - PSY 2012 General Psychology GEP
   E. Science (9 hrs + lab)
   - PSC 1121 Physical Science GEP
   - One of the following (per GEP)
     - PSC 2005 Physical Science GEP
     - ANT 2511 The Human Species or BSC 1005 Biological Principles
   - Select one:
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination prior to graduation.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- 25% of course work must be completed in 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)

9. Total Semester Hours Required 127 hrs
At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

10. Recommended Four-Year Sequence of Courses

Freshman Year
Fall (12 hrs) Spring (16 hrs)
EDF 2005 3 hrs EDC 701 3 hrs
ENC 1101 3 hrs ENC 1102 3 hrs
MGF 1106 3 hrs MAC 1105 3 hrs
PSY 1202 3 hrs PHI 2010 3 hrs

Sophomore Year
Fall (15 hrs) Spring (12 hrs)
AMH 1010 3 hrs AMH 2020 3 hrs
BSC 1005 3 hrs AST 2002 3 hrs
EME 2040 3 hrs Arts & Sci elec 3 hrs
ARG 2050 or 3 hrs Arts & Sci elec 3 hrs
ARG 2051 or MUL 2010 or
THE 2000 or FIL 2400
STA 2014C 3 hrs

Junior Year
Fall (15 hrs) Spring (15 hrs)
ARE 2011 3 hrs MUE 2211 3 hrs

Summer (6 hrs)
See Section 4, Semester I above
See Section 4, Summer Semester

Senior Year
Fall (12 hrs) Spring (12 hrs)
See Section 4, Semester III above
See Section 4, Semester IV above

ECONOMICS (B.A.)
College of Business Administration
Department of Economics, BA2 305, 407-823-3266
http://www.bus.ucf.edu/economics
E-mail: robertp@mail.ucf.edu
BA2 303B, 407-823-2640

The Bachelor of Arts in Economics is designed for students with a liberal arts background, and will provide them with a strong foundation for future graduate studies or as training for a career in politics, teaching, research, social services and a variety of other areas. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics.

Admission Requirements
none

Degree Requirements
UCF Degree Programs

Students who change degree programs and select this major must adopt the most current catalog.
Students should consult with a College of Business Administration advisor.
Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
      Required: SPC 1600
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      Select MAC 1105 College Algebra
   D. Social Foundations
      Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics, SYG 2000 or ANT 2000
   E. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)
   ECO 2013 Macroeconomics
   ECO 2023 Microeconomics 3 hrs

3. Core requirements (15 hrs)
   ECO 3101 Intermediate Microeconomics 3 hrs
   ECO 3203 Intermediate Macroeconomics 3 hrs
   ECO 3401 Quantitative Business Tools I 3 hrs
   ECO 3411 Quantitative Business Tools II 3 hrs
   ECO 4451 Research Methods in Economics 3 hrs
   *STA 2023 and MAC 2233 or STA 2023 and any Calc. 1 & 2 sequence substitute for ECO 3401.
   ** STA 4163 substitutes for ECO 3411.

4. Upper Division Restricted Electives (18 hrs)
   Select one of the following tracks:

1. PRE-LAW TRACK
   Restrictive electives (9 hours)
   - ECO 4XXX Law and Economics
   - EDP 4303 History of Economic Thought
   - ECP 4403 Industrial Organization and Game Theory
   Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

2. POLITICAL ECONOMY TRACK
   Restrictive electives (9 hours)
   - ECO 4504 Public Economics
   - ECO 4033 History of Economic Thought
   - ECO 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.

3. PRIVATE ENTERPRISE TRACK
   Restrictive electives (9 hours)
   - ECO 3223 Money and Banking
   - ECP 3202 Labor Economics
   - ECP 4403 Industrial Organization and Game Theory
   Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses.

4. INTERNATIONAL TRACK
   Restrictive electives (9 hours)
   - ECO 3703 International Trade
   - ECP 4XXX International Macroeconomics
   - ECS 4013 Economics of Developing Areas
   Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track's restricted elective courses. (ECS 4XXX Seminar In Global Economic Policy is highly recommended).

5. ECONOMICS OF GOVERNEMENTAL REGULATION
   Restrictive electives (9 hours)
   - ECP 4302 Environmental & Natural Resource Economics

6. GENERAL TRACK
   Select any SIX 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

For those students interested in preparing for graduate school, the following electives are strongly recommended:
- ECO 3703 International Trade
- ECO 4412 Econometrics
- ECO 3410 Mathematical Economics
- ECO 4504 Public Economics
- ECP 4403 Industrial Organization & Game Theory

Minors in Mathematics or Statistics are also recommended to help prepare students for graduate school. Consult with your academic advisor on the appropriate minors to be paired with the different tracks.

5. Required Minor (18 hrs min)
   Completion of a minor in one of the following suggested areas:
   - Digital Media, Computer Science, History, Mathematics, Statistics, the Social and Behavioral Sciences, or Technical Writing.
   Other minors are acceptable with prior approval of the Economics Undergraduate Advisor.

6. Departmental Exit Requirements
   - Students majoring in Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.
   - Computer Competency met by Research Methods course.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours

Related Programs: Economics BSBA
Related Minors: Computer Science, Economics, Mathematics, Political Science, Psychology, Sociology, Statistics
Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF
Four Year Plan of Study - B.A. Economics

Freshman

1st Term
ECO 2013 3
Cult-Hist I* 3
SPE 1600 3
**Elective 3
Cult-Hist II* 3
***Elective 3
General Education Program 9 hrs

2nd Term
ECO 2023 3
Science 3
**Elective 3
STA 2023 3
Foreign Language 3
* “C” (2.0) or better grade required in each class

Sophomore

1st Term
ECO 3401 or MAC 2233 3
ECO 3101 3
Minor** 3
***Elective 3
General Education Program 9 hrs

2nd Term
ECO 3111 3
Elective 3
Minor** 3
Elective 3
Elective 3

Junior

1st Term
ECO 4013 3
ECO 4451 3
Elective 3
Minor** 3
Elective 3
***Elective 3
Restrictive electives 9 hrs

2nd Term
Science 3
Science 3
Elective 3
Elective 3
Elective 3

Senior

1st Term
Foreign Language 3
Foreign Language 3
General Education Program 9 hrs

2nd Term
Elective 3
Elective 3
Elective 3
Elective 3
Elective 3

** 18 hours (minimum) of minor required.
*** General electives as required to reach 120 semester hours.

ECONOMICS, BUSINESS (B.S.B.A.)
College of Business Administration
Department of Economics, BA2 101, 407-823-2184
http://www.bus.ucf.edu/economics

R. Pennington; 407-823-3266, robertp@bus.ucf.edu

Admission Requirements to Business Economics
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
      Required: SPE 1600
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations 3 hrs
      Select MAC 1105 College Algebra 3 hrs
      Select CGS 2100CC Computer Fundamentals for Business 3 hrs
   D. Social Foundations 3 hrs
      Select ECO 2013 Principles of Macroeconomics or Equivalent 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 Principles of Macroeconomics 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs
   ECO 3401 Quantitative Business Tools I* 3 hrs
      CGS 2100CC Computer Fundamentals for Business 3 hrs
   * At UCF, students who have completed MAC 2233 and STA 2023 or STA 2023 and any Calc. I & II sequence substitute for ECO 3401 will be waived from ECO 3401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 3401.

3. Common Body of Knowledge (30 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester) 6 hrs

4. Special College and/or Departmental Requirements
   - Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   - Final exams will be given during Exam Week.
   - Students must have at least a 2.0 GPA in the COB.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Students majoring in Business Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

5. Required Major Courses (9 hrs)
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - ECO 3411 Quantitative Business Tools II 3 hrs
   - FIN 3403 Business Finance 3 hrs
   - MAN 3025 Management of Organizations 3 hrs
   - ISM 3011 Essentials of Management Information Systems 3 hrs
   - MAR 3023 Marketing 3 hrs

6. Upper Division Restricted Electives (18 hrs)
   All economics majors will be required to take six (6) electives by choosing one of the following options:
   1. BUSINESS ECONOMICS TRACK
      Restrictive electives (9 hours)
      ECP 3203 Labor Economics 3 hrs
      ECP 4403 Industrial Organization and Game Theory 3 hrs
      ECS 4013 Economics of Developing Areas 3 hrs
      Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.
   2. INTERNATIONAL TRACK
      Restrictive electives (9 hours)
      ECO 3703 International Trade 3 hrs
      ECO 44XX International Macroeconomics 3 hrs
      ECS 4013 Economics of Developing Areas 3 hrs
      Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.
   3. PRE-LAW TRACK
      Restrictive electives (9 hours)
      ECO 44XX Law and Economics 3 hrs
      ECP 3203 Labor Economics 3 hrs
      ECP 4403 Industrial Organization and Game Theory 3 hrs
      Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.
   4. FINANCIAL ECONOMICS TRACK
      Restrictive electives (9 hours)
      ECO 4412 Econometrics 3 hrs
      ECO 3203 Money and Banking 3 hrs
      ECO 44XX International Macroeconomics 3 hrs
      Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.
   5. ECONOMICS OF GOVERNEMENTAL REGULATION
      Restrictive electives (9 hours)
      ECP 4302 Environmental & Natural Resource Economics 3 hrs
      ECO 4504 Public Economics 3 hrs
      ECP 3203 Labor Economics 3 hrs
      Select any other three 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.
6. GENERAL TRACK
Select any SIX 3000-4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

It is possible to have a double track; however, only the first designated track will appear on the transcript.

For those students interested in preparing for graduate school, the following electives are strongly recommended:
ECO 3703 International Trade
ECO 4412 Econometrics
ECO 3410 Mathematical Economics
ECO 4504 Public Economics
ECP 4403 Industrial Organization & Game Theory

7. Foreign Language Requirements 
(0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

8. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after any CLEP award
■ 48 semester hours of upper division credit completed
■ 30 of the last 36 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Approved Forces permitted
■ Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives*** (variable)

Total Semester Hours Required 120 hrs

Community/Junior College Transfer Notes
■ Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Principles of Macroeconomics, Principles of Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Business Quantitative Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Tools I.
■ Subject to the general grade and residency requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
■ ACG X001 and X011 will substitute for ACG 2021 at UCF.
■ Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
■ Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
■ A minimum of 12 semester hours must be completed at UCF within each individual major.
■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Four Year Plan of Study - Business Economics

Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ENC 1102* 3
Cult-Hist I* 3 Cult-Hist II* 3
SPC 1000 3 Art/Music Lit 3
***Elective 3 MAC 1105 3
***Elective 3 CGS 2100CC* 3

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
Psych 3 3
***Elective 3 ECO 3401* 3

Junior
1st Term 15 hrs 2nd Term 15 hrs
GEB 3031 6 ECO 3411 3
GEB 3536 6 MAN 3025 3
MAC 3031 3 ECO 3203 3
ECO 3101 3 FIN 3403 3
ECO Elective 3 ECO Elective 3

Senior
1st Term 15 hrs 2nd Term 15 hrs
ECO Elective 3 MAN 4720 3
ISM 3011 3 ***Elective 3
BUL 3130 3 ECO Elective 3
ECO Elective 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. and B.S.B.A./M.A.A.E.)
Accelerated Undergraduate/Graduate Program
Note: For detailed information about these programs, see descriptions in the “Accelerated Undergraduate/Graduate Program” section of this Undergraduate Catalog.

ELECTRICAL ENGINEERING (B.S.E.E.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Engineering Students

Florida Public Community College students are advised to complete the General Education Program (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.

1. UCF General Education Program for Engineering Students
The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations
   9 hrs
   1. ENC 1101 & ENC 1102
   2. Prefer SPC 1016

B. Cultural and Historical Foundations
   9 hrs
   1. Select two courses from Historical Foundations
   2. ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations
   7 hrs
   1. Select MAC 2311 (PR: MAC 1141)
   2. Select STA 3023 (PR: MAC 2312)

D. Social Foundations
   6 hrs
   1. Prefer ECO 2013 or ECO 2023.
E. Science Foundations 7 hrs
1. Select PHY 2048/48L (PR: MAC 2311) 3
2. ANT 2011, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310 4

2. Common Program Prerequisites (CPP’s) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 1440</td>
<td>Fundamentals of Chemistry for Eng</td>
<td>4 hrs</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>PHY 2048/48L</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 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>
<tr>
<td>Humanities Courses</td>
<td></td>
<td>GEP</td>
</tr>
<tr>
<td>Social Science Courses</td>
<td></td>
<td>GEP</td>
</tr>
<tr>
<td>Humanities or Social Sciences</td>
<td></td>
<td>GEP</td>
</tr>
</tbody>
</table>

3. Courses Required for the Engineering Core (14 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

<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>EGN 3310</td>
<td>Engineering Analysis - Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis - Dynamics or Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3350</td>
<td>Thermofluids-Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3420</td>
<td>Engineering Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability &amp; Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Physics for Engineers &amp; Scientists III</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

4. Courses Required for the Major (41 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>EEL 3004</td>
<td>Electrical Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
<td>4 hrs</td>
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<tr>
<td>EEL 3306</td>
<td>Semiconductor Devices I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3307C</td>
<td>Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3342C</td>
<td>Intro to Digital Circuits &amp; Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields</td>
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<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communications</td>
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</tr>
<tr>
<td>EEL 3567</td>
<td>Linear Control Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>Intro to Computer Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4099C</td>
<td>Electronics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fund.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4767C</td>
<td>Computer System Design</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

5. Approved Technical Electives (10 hrs)
Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Departmental Graduation Requirements (6 hrs)
   - 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 & Management, Intelligent Robotic Systems
Transfer Notes:
- Courses taken from Community Colleges do not substitute for Upper Division Courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Electrical Engineering - 128 semester hours required

<table>
<thead>
<tr>
<th>Year</th>
<th>Term</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST YEAR</td>
<td>Fall</td>
<td>12 hrs 1</td>
</tr>
<tr>
<td>EGN 1006C Intro to Engr</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>EGN 1007C Engr Concepts &amp; Methods</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>EGN 3310 Engr Analysis - Statics</td>
<td>3</td>
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</tr>
<tr>
<td>EGN 3321 Engr Analysis - Dynamics or Statics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGN 3350 Thermofluids-Heat Transfer</td>
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<tr>
<td>EGN 3420 Engr Analysis</td>
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<td>STA 3032 Probability &amp; Statistics for Engineers</td>
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<tr>
<td>PHY 3101 Physics for Engineers &amp; Scientists III</td>
<td>3</td>
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<tr>
<td></td>
<td>Spring</td>
<td>15 hrs 1</td>
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<tr>
<td>EGN 1006C Intro to Engr</td>
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<tr>
<td>EGN 1007C Engr Concepts &amp; Methods</td>
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<td>EGN 3310 Engr Analysis - Statics</td>
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<tr>
<td>EGN 3321 Engr Analysis - Dynamics or Statics</td>
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<td>EGN 3350 Thermofluids-Heat Transfer</td>
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<tr>
<td>PHY 3101 Physics for Engineers &amp; Scientists III</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

| SECOND YEAR | Fall | 15 hrs 1 |
| EGN 1006C Intro to Engr | 1 |
| EGN 1007C Engr Concepts & Methods | 1 |
| EGN 3310 Engr Analysis - Statics | 3 |
| EGN 3321 Engr Analysis - Dynamics or Statics | 3 |
| EGN 3350 Thermofluids-Heat Transfer | 3 |
| EGN 3420 Engr Analysis | 3 |
| STA 3032 Probability & Statistics for Engineers | GEP |
| PHY 3101 Physics for Engineers & Scientists III | 3 |
| | Spring | 15 hrs 1 |
| EGN 1006C Intro to Engr | 1 |
| EGN 1007C Engr Concepts & Methods | 1 |
| EGN 3310 Engr Analysis - Statics | 3 |
| EGN 3321 Engr Analysis - Dynamics or Statics | 3 |
| EGN 3350 Thermofluids-Heat Transfer | 3 |
| EGN 3420 Engr Analysis | 3 |
| STA 3032 Probability & Statistics for Engineers | GEP |
| PHY 3101 Physics for Engineers & Scientists III | 3 |

| THIRD YEAR | Fall | 14 hrs |
| EEL 3306 Silicone Devices I | 3 |
| EEL 3307C Electronics I | 4 |
| STA 3032 Prob & Stats Engrs | 3 |
| EEL 4767C Cmplt Sys Design I | 4 |
| EEL 3123C Networks and Systems | 4 |
| EEL 3321 Engr Anal-Dynmics | 3 |
| or EEL 3358 Ther-Flds-Ht Transfer | 3 |
| | Spring | 14 hrs |
| EEL 3306 Silicone Devices I | 3 |
| EEL 3307C Electronics I | 4 |
| STA 3032 Prob & Stats Engrs | 3 |
| EEL 4767C Cmplt Sys Design I | 4 |
| EEL 3123C Networks and Systems | 4 |
| EEL 3321 Engr Anal-Dynmics | 3 |
| or EEL 3358 Ther-Flds-Ht Transfer | 3 |

| FOURTH YEAR | Fall | 13 hrs |
| EEL 4750 Signal Proc Fund | 3 |
| EEL 3470 Electromagnetic Flds | 3 |
| EEL 4914 Senior Design I | 3 |
| or EEL 4915L Senior Design II | 3 |

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. Assumes knowledge of a higher level programming language (C preferred).
3. EGN 1006C and EGN 1007C are required courses for incoming freshmen only.
The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.

**ELECTRICAL ENGINEERING - MICROELECTRONICS CONCENTRATION (B.S.E.E.)**

College of Engineering and Computer Science  
School of Electrical Engineering & Computer Science  
Harris Corp Engineering Ctr, Rm 245, 407-823-5765,  
Fax: 407-823-5835,  
[http://www.ee.ucf.edu](http://www.ee.ucf.edu)  
Samuel Richie, E-mail: richie@mail.ucf.edu

**Admission Requirements:**  
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

**Degree Requirements**  
Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. **UCF General Education Program for Engineering Students** (36+2 hrs)  
The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

- **A. Communication Foundations**  
  1. ENC 1101 & ENC 1102  
  2. Prefer SPC 1016

- **B. Cultural and Historical Foundations**  
  1. Select two courses from Historical Foundations  
  2. ARH 2050, ARH 2051, MUL 2010, THE 2000, REL 2300, PHI 2010, LIT 2110, or LIT 2120

- **C. Mathematical Foundations**  
  1. Select MAC 2311 (PR: MAC 1144)  
  2. Select STA 3023 (PR: MAC 2312)

- **D. Social Foundations**  
  1. Prefer ECO 2023 or ECO 2024  

- **E. Science Foundations**  
  1. Select PHY 2048L (PR: MAC 2311)  
  2. ANT 2011, BSC 1005, 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 available through Florida public post-secondary education programs. Students transferring to UCF programs only need to complete the courses if not already completed or substituted by courses taken at their previous institution.

**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  
- MAC 2311 Calculus with Analytic Geometry I 4 hrs  
- MAC 2312 Calculus with Analytic Geometry II 4 hrs  
- MAC 2313 Calculus with Analytic Geometry III 4 hrs  
- MAP 2302 Differential Equations 3 hrs  
- PHY 2048L Physics for Engineers & Scientists I 4 hrs  
- PHY 2049L Physics for Engineers & Scientists II 4 hrs  
- ENC 1101 Composition I 4 hrs  
- ENC 1102 Composition II 4 hrs  
- Humanities Courses 4 hrs  
- Social Science Courses 4 hrs  
- Humanities or Social Sciences 4 hrs

3. **Courses Required for the Engineering Core** (14 hrs)  
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

   - EGN 1006C Intro to the Engineering Profession 1 hr  
   - EGN 1007C Engineering Concepts & Methods 1 hr  
   - EGN 3310 Engineering Analysis - Statics 3 hrs  
   - EGN 3321 Engineering Analysis - Dynamics 3 hrs  
   - EGN 3358 Thermofluid-Heat Transfer 3 hrs  
   - EGN 3420 Engineering Analysis 3 hrs  
   - STA 3032 Probability & Statistics for Engineers 3 hrs  
   - PHY 3101 Physics for Engineers & Scientists III 3 hrs

4. **Courses Required for the Major** (41 hrs)  
Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas. For those students with a declared interest in microelectronics, a concentration in this area is available by taking three microelectronics technical electives in addition to the required microelectronics courses listed in 3. above.

5. **Departmental Graduation Requirements** (6 hrs)  

   - EEL 4914 Senior Design I (3 hrs)  
   - EEL 4915L Senior Design II (3 hrs)  
   - CECE encourages all engineering students to take the Fundamentals Exam during their Senior year.

6. **Approved Microelectronics Technical Electives** (10 hrs)  
Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas. For those students with a declared interest in microelectronics, a concentration in this area is available by taking three microelectronics technical electives in addition to the required microelectronics courses listed in 3. above.

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 hours

**Related Programs:** Computer Engineering, Computer Science, Electrical Engineering Technology (Electrical Systems Concentration).

**Related Minors:** Engineering Leadership & Management, Intelligent Robotic Systems

**Transfer Notes:**  
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

**Tentative Course Schedule for Entering Freshmen**  
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.
Electrical Engineering - Microelectronics Concentration

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>128 semester hrs required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td>EGN 1006C Intro to Engr 1</td>
<td>MAC 2311 Calc Analytic Geo I 4</td>
</tr>
<tr>
<td>ENC 1101 English Comp I 3</td>
<td>ENC 1102 English Comp II 3</td>
</tr>
<tr>
<td>*CHS 1440 Chem for Engrs 4</td>
<td>*SPC 1016 Tech Presentations 3</td>
</tr>
<tr>
<td>*MAC 2311 Calc Analytic Geo I 4</td>
<td>*MAC 2312 Analytic Geo II 4</td>
</tr>
<tr>
<td>*PHY 2048L Phys Engr I w/lab 4</td>
<td>*PHY 2049L Phys Lab EngrII 1</td>
</tr>
<tr>
<td>Summer</td>
<td></td>
</tr>
<tr>
<td>*Historical Foundations 1a 3</td>
<td>*Phy 2049 Phys Engr/Sci II 3</td>
</tr>
<tr>
<td>*MAC 2312 Calc Analytic Geo III 4</td>
<td>*PHY 2049L Phys Lab Engr/Sci II 1</td>
</tr>
<tr>
<td>EGN 3420 Engineering Anal2 3</td>
<td>EEL 3004 Electrical Networks 3</td>
</tr>
<tr>
<td><strong>SECOND YEAR</strong></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td>Spring</td>
</tr>
<tr>
<td>*MAP 2302 Diff Equations 3</td>
<td>*Cultural Foundations 3</td>
</tr>
<tr>
<td>*PHY 3101 Phys Engr/Sci III 3</td>
<td>EGN 3310 Engr Anal-Statics 3</td>
</tr>
<tr>
<td>*Science Foundations 2 3</td>
<td>EEL 3342C Intro to Dig Circ/Sys 3</td>
</tr>
<tr>
<td>*Social Foundations 1 3</td>
<td>EEL 3801C Intro to Comp Eng/II 3</td>
</tr>
<tr>
<td>EGN 3420 Engineering Anal2 3</td>
<td>EEL 3304C Intro to Dig Circ/Sys 3</td>
</tr>
<tr>
<td>Summer</td>
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<tr>
<td>*Historical Foundations 1b 3</td>
<td>*Eco 2013 Macroeconomics 3</td>
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<td>*Eco 2023 Microeconomics 3</td>
<td>ECO 2023 Microeconomics 3</td>
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<td><strong>THIRD YEAR</strong></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>EEL 3306 Semicond Devices I 3</td>
<td>EEL 3807C Electronics I 4</td>
</tr>
<tr>
<td>STA 3032 Prob &amp; Stats Engrs 3</td>
<td>EEL 3357 Linear Control Sys 3</td>
</tr>
<tr>
<td>EEL 4767C Circuits Design I 4</td>
<td>EEL 3552C Analog &amp; Dig. Comm 3</td>
</tr>
<tr>
<td>EEL 3123C Networks and Systems 4</td>
<td>EGN 3321 Engr Anal-Dynamics 3</td>
</tr>
<tr>
<td>* or ECG 3358 Thermodynamics II Transfer 3</td>
<td></td>
</tr>
<tr>
<td><strong>FOURTH YEAR</strong></td>
<td></td>
</tr>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>EEL 4750 Dig Signal Proc Fund 3</td>
<td>Approved microelectronics elective 3</td>
</tr>
<tr>
<td>EEL 3470 Electromagnetic Fields 3</td>
<td>Approved microelectronics elective 3</td>
</tr>
<tr>
<td>EEL 4309C Electronics II 4</td>
<td>Approved microelectronics elective 3</td>
</tr>
<tr>
<td>EEL 4914 Senior Design I 4</td>
<td>Approved microelectronics elective 3/4</td>
</tr>
<tr>
<td>Summer</td>
<td></td>
</tr>
<tr>
<td>* or ECG 3358 Thermodynamics II Transfer 3</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. Assumes knowledge of a higher level programming language (C preferred).
3. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.

ELECTRICAL ENGINEERING - WIRELESS COMMUNICATION CONCENTRATION (B.S.E.E.)

College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr, Rm 245; 407-823-5765, Fax: 407-823-5835,
http://www.ee.ucf.edu
Samuel Richie, E-mail: richie@mail.ucf.edu

Admission Requirements:
All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes.

Degree Requirements
Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

UCF Degree Programs

1. UCF General Education Program for Engineering Students
   The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.
   - A. Communication Foundations 9 hrs
     ENC 1101 & ENC 1102
     - B. Cultural and Historical Foundations 9 hrs
       - 1. Select two courses from Historical Foundations
       - 2. Select STA 3032 PR: MAC 2312
     - C. Mathematical Foundations 7 hrs
       1. Select MAC 2311 (PR: MAC 114).
     - D. Social Foundations 6 hrs
       1. Prefer ECO 203 or ECO 2023.
     - E. Science Foundations 7 hrs
       1. Select PHY 2048/48L (PR: MAC 231)
       2. ANT 2011, BSC 1005, BSC 1050, GLY 1030, GEO 1200, or MCB 1310

2. Common Program Prerequisites (CPP’s) (19 hrs)
   These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
   - MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.
   - CHS 1440 Fundamentals of Chemistry for Eng (CHM 2045C/45L will substitute) 4 hrs
   - MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - MAP 2302 Differential Equations 3 hrs
   - PHY 2048/48L Physics for Engineers & Scientists I 4 hrs
   - PHY 2049/49L Physics for Engineers & Scientists II 4 hrs
   - ENC 1101 Composition I 3 hrs
   - ENC 1102 Composition II 3 hrs
   - Humanities Courses 3 hrs
   - Social Science Courses 3 hrs
   - Humanities or Social Sciences 3 hrs

3. Courses Required for the Engineering Core (14 hrs)
   The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in 4. below, technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.
   - EGN 1006C Intro to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts & Methods 1 hr
   - EEL 2310 Engineering Analysis - Statics 3 hrs
   - EEL 3321 Engineering Analysis - Dynamics or EEL 3558 Thermofluids-Heat Transfer 3 hrs
   - EGN 3420 Engineering Analysis 3 hrs
   - STA 3032 Probability & Statistics for Engineers 3 hrs
   - PHY 3101 Physics for Engineers & Scientists III 3 hrs
   - EEL 3104 Electrical Networks 3 hrs
   - EEL 3123C Networks and Systems 4 hrs
   - EEL 3306 Semiconductor Devices I 3 hrs
   - EEL 3307C Electronics I 4 hrs
   - EEL 3342C Intro to Digital Circuits & Systems 1 hr
   - EEL 3470 Electromagnetic Fields 3 hrs
   - EEL 3552C Analog & Digital Communications 4 hrs
   - EEL 3657 Linear Control Systems 3 hrs
   - EEL 3801C Intro to Computer Engineering 3 hrs
   - EEL 4309C Electronics II 4 hrs
   - EEL 4750 Digital Signal Processing Fund. 3 hrs
   - EEL 4767C Circuits Design I 4 hrs

4. Courses Required for the Major (41 hrs)
   - Electrical Networks 3 hrs
   - Networks and Systems 4 hrs
   - Semiconductor Devices I 3 hrs
   - Electronics I 4 hrs
   - Intro to Digital Circuits & Systems 1 hr
   - Electromagnetic Fields 3 hrs
   - Analog & Digital Communications 4 hrs
   - Linear Control Systems 3 hrs
   - Intro to Computer Engineering 3 hrs
   - Electronics II 4 hrs
   - Digital Signal Processing Fund. 3 hrs
   - Computer System Design I 4 hrs

5. Approved Wireless Technical Electives (10 hrs)
   Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas. For those stu-
UCF Degree Programs

dents with a declared interest in wireless communication, a concentration in this area if available by taking the wireless technical electives in addition to the required communication courses listed in 3. above.

6. Departmental Graduation Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

7. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent 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 course credit.
- 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: 128 hrs

Related Programs: Computer Engineering, Computer Science, Electrical Engineering Technology (Electrical Systems Concentration).
Related Minors: Engineering Leadership & Management, Intelligent Robotic Systems

Transfer Notes:
- Courses taken from Community Colleges do not substitute for Upper Division Courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Tentative Course Schedule for Entering Freshmen

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Electrical Engineering - Wireless Communication Concentration

FIRST YEAR
Fall 12 hrs 1,3
- EGN 1006C Intro to Engr 1
- *MAC 1114 College Trigonometry 3 hrs
- *MAC 1105 College Algebra GEP 3

Spring 15 hrs 1,3
- ENC 1101 English Comp I 3
- *PHY 2048/L Phys Eng I w/lab 4

Summer 11 hrs 1
- *MAC 2313 Calc for Engrs 4
- *PHY 2048/L Phys Lab Engrs I 1

SECOND YEAR
Fall 15 hrs 1
- *MAP 2302 Diff Equations 3
- *PHY 3101 Phys Engr/Sci III 3
- *Spr 2023 Microeconomics or 3

Spring 15 hrs 1
- *MAC 2313 Calc for Engrs II 4
- *ECE 2290C Intro to Dig Circ/Sys 3
- *ECE 2290C Intro to Dig Circ/Sys 3

Summer 6 hrs 1
- *MAC 2313 Calc for Engrs III 4
- *ECE 3240 Engineering Anal2 3
- *ECE 3240 Engineering Anal2 3

THIRD YEAR
Fall 14 hrs 1,3
- EEL 3123 Networks and Sytems 3
- EEL 3358 Ther-Flds-Ht Transfer 3

Electrical Engineering Technology - Computer Systems Concentration (B.S.E.E.T.)

College of Engineering and Computer Science Engineering Technology (ENT) Department, ENGR 207

Coordinator: Alireza Rahrooh
407-823-4749 Fax: 407-823-4746
E-mail: rahrooh@pegasus.cc.ucf.edu
http://www.ent.ucf.edu

Admission Requirements

Degree Requirements
- Students should check with their ENT advisor frequently to insure that they are making proper progress toward the degree.
- A grade of "C" (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)
- A. Communication Foundations 9 hrs
- 1. ENC 1101 & ENC 1102
- 2. Prefer SPC 1016
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
- 1. Select MAC 1105
- 2. Select STA 2023
- D. Social Foundations 6 hrs
- E. Science Foundations 8 hrs
- 1. Select PHY 2053C
- 2. Select BSC 1005/1005L, BSC 1050/1050L, or BSC2010C,

2. Common Program Prerequisites (CPP) (6/8 hrs)

(C or better grades are required in all courses)
- MAC 2523 Calclus II or MAC 2311
- MAC 2254 Calculus II or equiv
- MAC 2312 or PHY 2053C
- or PHY 2048/L

3. Engineering Technology Core Requirements (C or better grades are required in all courses) (25 hrs)
- BSC 1005L, BSC 1050L, or GEO 1200/LBSC2010C
- ENC 3241 Writing for the Technical Professional 3 hrs
- MAC 1105 College Algebra 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- MAC 2253 Calculus I or
- MAC 2311
- MAP 3401 Problem Analysis or

UCF 2006-2007 Undergraduate Catalog
MAC 2312 Calculus II 
PHY 2053C College Physics I-0.5 hrs
PHY 2054C College Physics II 4 hrs
ETG 3541 Applied Mechanics 3 hrs
ETI 3651C Computer Applications 3 hrs
ETI 3671 Technical Economic Analysis 3 hrs
ETI 3116 Applied Engrg Quality Assurance 3 hrs
ETI 4448 Applied Project Management 3 hrs
STA 2023 Statistical Methods I GEP

4. Technical Specialization (56 hrs)
Lower Level Required and Elective Courses (20 hrs)
(C or better grades are required in all courses)

ETI 3116 Applied Engineering Quality Assurance 3 hrs
ETI 3651C Computer Applications 3 hrs
ETI 4448 Applied Project Management 3 hrs
STA 2023 Statistical Methods I GEP

Lower Level Technical Elective 32 hrs

Upper Level Required Courses (30 hrs)
(C or better grades are required in all courses)

CET Elective 3 CET Elective 3
CET Elective 3 ETI 3671C Technical Economic Analysis 2
EET 3716 Network Analysis 3 hrs
EET 3716 Network Analysis 3 hrs
CET 4427 Applied Database I 3 hrs
CET 4427 Applied Database I 3 hrs
CET 4505 Applied Operating Systems I 3 hrs
CET 4505 Applied Operating Systems I 3 hrs
CET 4333 Computer Organization Design 3 hrs
CET 4333 Computer Organization Design 3 hrs
CET 4138C Digital Programmable Devices 3 hrs
CET 4138C Digital Programmable Devices 3 hrs
CET 4134C Microprocessors Elect II 3 hrs
CET 4134C Microprocessors Elect II 3 hrs
CET 4429 Applied Database II 3 hrs
CET 4429 Applied Database II 3 hrs

Upper Level Technical Electives (6 hrs) See faculty advisor for list of approved Technical Electives.
(C or better grades are required in all courses)

5. Departmental Exit Requirement (3 hrs)
(C or better grade is required)

ETG 4950C Senior Design Project 3 hrs
A grade of 2.0 or better is required in all prerequisites.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. Approved Technical Electives Students should consult with the ENT Department for a list of approved Technical Electives and the terms when specific courses of this type are to be offered.

8. University Graduation Requirements

A 2.0 UCF GPA

60 semester hours earned after any CLEP award

48 semester hours of upper division credit completed

30 of the last 36 hours of course work must be completed in residency at UCF

25% of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs: Electrical Engineering Technology (Electrical Systems Concentration)
Related Minors: None
Transfer Notes: Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.

Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)

Courses taken from Community Colleges do not substitute for Upper Division Courses

Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.

ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department

PHY 2048/L can substitute for PHY 2053C.

Tentative Course Schedule for the Computer Systems Concentration The tentative course schedule listed below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year Fall 13/14 hrs Spring 12/13 hrs
MAC 2253/2311 Calculus I 3/4 MAP 3401 Prob Analysis or
EET 3716 Network Analysis 3 CET 4427 Applied Database I 3
ETI 3116 Appl Eng Quality Assur 3 CET 4427 Applied Database I 3
CET 4427 Applied Database I 3 CET 3198C Digital Systems 3
EET 4448 Appl Proj Management 3 ETI 4448 Appl Proj Management 3
ETI 3671C Tech Econ Anal 3
ETG 3541 Appl Oper Sys I 3 ETG 4950C Senior Design Proj 3
ETI 3651C Computer Appl 3
ETI 4448 Appl Proj Management 3

Senior Year Fall 15 hrs Spring 14 hrs
ETI 4448 Appl Proj Management 3 ETC 4950 Senior Design Proj 3
CET 3503 Microcomputer Tech I 3 CET 4427 Applied Database I 3
CET 4505 Appl Oper Sys I 3 CET 3503 Microcomputer Tech I 3
ETI 3651C Computer Appl 3 CET 4427 Applied Database I 3
ETI Elective 3 CET Elective 3

ELECTRICAL ENGINEERING TECHNOLOGY - ELECTRICAL SYSTEMS CONCENTRATION (B.S.E.E.T.)
College of Engineering and Computer Science Engineering Technology (ENT) Department ENGR 207
http://www.entr.ucf.edu
Coordinator: Alireza Rahrooh
407-823-4749 Fax: 407-823-4746
E-mail: rahrooh@pegasus.cc.ucf.edu

Admission Requirements none

Degree Requirements

Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.

A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)
A. Communication Foundations 9 hrs
1. ENC 1101 & 1102
2. Courses taken from Community Colleges do not substitute for Upper Division Courses

B. Cultural and Historical Foundations 9 hrs
1. Select MAC 1105
2. Select STA 2023

C. Mathematical Foundations 6 hrs
1. Select MAC 1105
2. Select STA 2023

D. Social Foundations 6 hrs
1. Select STA 2023
2. Select MAC 1105

E. Science Foundations 8 hrs
1. Select STA 2023
2. Select MAC 1105
3. Select STA 2023

2. Common Program Prerequisites (CPP) (6/8 hrs)
(C or better grades are required in all courses)

MAC 2253 or Calculus I 3/4 hrs
3. Engineering Technology Core Requirements (25 hrs)
(C or better grades are required in all courses)
BSC 1005L, BSC 1050L, GEO 1200L, BSC 2010C
MAC 2311
MAC 2312
PHY 2053C or PHY 2048/L
ENG 3241
MAC 1105
MAC 1114
MAC 2263 or MAC 2233
MAC 2311
MAP 3401
MAC 2312
PHY 2053C
PHY 2054C
ETG 3541
ETI 3851C
ETI 3671
ETI 3116
ETI 4448
STA 2023
MAP 3401
ETI 3671
ETI 3116
ETI 4448
STA 2023

4. Technical Specialization (56 hrs)
(C or better grades are required in all courses)
EST 3222
EET 4732C
CET 4134C
CET 3503
STA 2023
Selected 7-9 hours from courses listed below:

Upper Level Technical Electives (22 hrs)
(C or better grades are required in all courses)
CET 3198C
EET 3716
EET 4158C
EET 4329C
EET 4359C
EET 4548
EET 4339C
EET 4134C
EET 4329C
ETI 3671
ETI 4448

ETG 3541
ETI 4448

Summer 6 hrs
Fall 13/14 hrs
Spring 15/16 hrs

Fall 12 hrs
Spring 13 hrs

Fall 12 hrs
Spring 13 hrs

Electronic Engineering Technology - Photonics Concentration (B.S.E.E.T.)

Electrical Engineering Technology (B.S.E.E.T.)

Note: For detailed information about this program, see the AS to BS Program section.
5. Departmental Exit Requirement (3 hrs)

(C or better grade is required)
- EST 4259C Photonic Systems Analysis 3 hrs
- A grade of 2.0 or better is required in all prerequisites.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. Approved Technical Electives (0-4 hrs)
Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs: Electrical Engineering Technology (Computer Systems Concentration).
Related Minors: none

Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L can substitute for PHY 2053C.

Tentative Course Schedule for the Photonics Concentration
The tentative course schedule listed below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year
Fall 13/14 hrs
- MAC 2253 Applied Calc I or MAC 2311 Calculus I/Analyt Geom I 3/4 hrs
- PHY 2053C College Physics I CPP
- PHY 2054C College Physics II 4 hrs
- EST 3211 Wave Photonics 3 hrs
- EET 3085C Electricity and Electronics 4 hrs

Spring 14/15 hrs
- MAP 3401 Problem Analysis or MAC 2312 Calculus II 3/4 hrs
- PHY 2054C/2049 Physics II 4 hrs
- EST 3211 Wave Photonics 3 hrs
- EET 3716 Network Analysis 3 hrs
- ETG 3541 Applied Mechanics 3 hrs

Summer 6 hrs
- EST 3211 App Eng Quality Assurance 3 hrs
- EET 4448 Applied Project Management 3 hrs

Senior Year
Fall 15 hrs
- EET 4548 Power Systems 3 hrs
- EST 4259C Linear Int Cir 3 hrs
- EET 3216 App Eng Quality Assurance 3 hrs
- EST 4227 Photonics Sensors 3 hrs

Spring 15 hrs
- EET 4548 Power Systems 3 hrs
- EST 4259C Linear Int Cir 3 hrs
- EET 3216 App Eng Quality Assurance 3 hrs
- EST 4227 Photonics Sensors 3 hrs

Related Programs: Electrical Engineering Technology (Computer Systems Concentration).
Related Minors: none

Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L can substitute for PHY 2053C.
ELEMENTARY EDUCATION (B.S.)
College of Education
Department of Teaching and Learning Principles, ED 209
http://reach.ucf.edu/~elemed1
Program Coordinator: Dr. Rosie Webb Joels, ED 122-Q
407-823-2008
Email: rjoels@pegasus.cc.ucf.edu

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete prerequisite courses.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      ENC 1101 Composition I
      ENC 1102 Composition II
      Select SPC 1600 Fundamentals of Oral Communication
   B. Cultural-Historical Foundations
      Select AMH 2010 U.S. History 1492-1877
      Select AMH 2020 U.S. History 1877-Present
      Select PHI 2010 Introduction to Philosophy
   C. Mathematical Foundations
      Select MGF 1106 Finite Mathematics
      Select one:
      STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
   D. Social Foundations
      Prefer POS 2041 American National Government
      Select PSY 2012 General Psychology
   E. Science Foundations
      Prefer PSC 1121 Physical Science
      Select one:
      ANT 2511 The Human Species or BSC 1005 Biological Principles

Note: See laboratory component under Section 2.

2. Common Program Prerequisites (29 hrs)
   A. Communications
      ENC 1101 Composition I
      ENC 1102 Composition II
      SPC 1600 Fundamentals of Oral Communication
   B. Humanities
      PHI 2010 Introduction to Philosophy
      Select one:
      ARH 2050 The History of Art I or ARH 2051 The History of Art II or MUL 2010 Enjoyment of Music or THE 2000 Theatre Survey or FIL 2400 History of Motion Pictures
   C. Mathematics
      MAC 1105 College Algebra
      MGF 1106 Finite Mathematics
      One of the following (per GEP):
      STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
   D. Social Science/History
      AMH 2010 U.S. History 1492-1877
      AMH 2020 U.S. History 1877-Present
      POS 2041 American National Government
      PSY 2012 General Psychology
   E. Science
      Select one:
      PSC 1121 Physical Science
      One of the following (per GEP):
      ANT 2511 The Human Species or BSC 1005 Biological Principles
      Select one:
      AST 2002 Astronomy or GEO 1200 Physical Geography

   Additional required electives in the following liberal arts and science areas: communications, mathematics, natural and/or physical sciences, fine arts and/or humanities, and social sciences.

3. Recommended Sequence of Program Courses
   Note: This recommended sequence may vary at selected regional campus locations.

   Semester I (Internship Block) 15 hrs
   EDG 4323 Professional Teaching Practices
   (required prior to Internship I)
   EDF 4214 Classroom Learning Principles
   LAE 3414 Children’s Literature
   RED 3012 Foundations of Reading
   (required prior to Internship I)

   Semester I (Required prior to Internship I) 12 hrs
   RED 4519 Diagnostic & Corrective Reading Strategies
   MAE 4326 How Children Learn Math
   EEX 4003 Teaching/Management Tech Ed Student
   in the Regular Setting
   EDE 3942 Internship I
   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.
   See additional requirements listed under College of Education, Office of Clinical Experiences

Note: RED 4519, MAE 4326, and EEX 4003 are taken concurrently with EDE 3942

   Semester II (Internship Block) 12 hrs
   EDF 4603 Analysis of Critical Issues in Education
   MUE 3210 Teaching Music in the Elementary School
   HLP 4722 Teaching Elementary Health and Physical Education

   Semester III 15 hrs
   SCE 3310 Teaching Science in the Elementary School
   SSE 3312 Teaching Social Science in the Elem School
   LAE 4314 Teaching Language Arts in the Elementary School
   ARE 4313 Teaching Art in the Elementary School
   TSL 4141 Issues in Second Language Acquisition

   Semester IV (Required prior to Internship II) 12 hrs
   EDE 4943 Internship II
   12 hrs

   All methods/specialization/foundations courses (*) must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II
   See additional requirements listed under College of Education, Office of Clinical Experiences
   Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.065

4. Foreign Language Requirements (0-8 hrs)
   State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

5. Departmental Exit Requirements
   Achieve a minimum 2.5 GPA in all courses within the major.
   Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished
Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

6. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

7. Total Semester Hours Required 128 hours
At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

8. Recommended Four-Year Sequence of Courses

Freshman Year
Fall (12 hrs)  Spring (16 hrs)
EDF 2005  3 hrs  EDG 2101  3 hrs
ENC 1101  3 hrs  ENC 1102  3 hrs
MGF 1106  3 hrs  MAC 1105  3 hrs
PHI 2010  3 hrs  PSY 2102  3 hrs
PSC 1121  3 hrs  PSC 1121L  1 hr
Summer (6 hrs)  August (4 hrs)
AST 2002  3 hrs  EEM 1000  3 hrs
POS 2041  3 hrs
Sophomore Year
Fall (15 hrs)  Spring (16 hrs)
AMH 1010  3 hrs  AMH 2010  3 hrs
BSC 1005  3 hrs  MAE 2801  4 hrs
EME 2040  3 hrs  STA 2014C  3 hrs
SPC 1600  3 hrs  Arts & Scncs elective  3 hrs
ARH 2050  3 hrs  Arts & Scncs elective  3 hrs
MUL 2010 or  3 hrs  THE 2000 or  3 hrs
FIL 2400  3 hrs

Junior Year
Fall (15 hrs)  Spring (16 hrs)
See Section 3, Semester I above  See Section 3, Semester II, above

Summer (9 hrs)
See Section 3, Summer

Senior Year
Fall (15 hrs)  Spring (16 hrs)
See Section 3, Semester III above  See Section 3, Semester IV above

ENGINEERING TECHNOLOGY - DESIGN CONCENTRATION (B.S.E.T.)
College of Engineering and Computer Science
Engineering Technology (ENT) Department, ENGR 207

http://www.ent.ucf.edu
Coordinator: Lucy Morse 407-823-4742, Fax: 407-823-4746

Admission Requirements
- none

Degree Requirements
- Students should check with their ENT advisor frequently to insure that they are making progress toward the degree.
- A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)

A. Communication Foundations
- 1. ENC 1101 & ENC 1102  9 hrs
- 2. Prefer SPC 1016

B. Cultural and Historical Foundations
- 1. Select MAC 1105  9 hrs
- 2. Select STA 2023  6 hrs

2. Common Program Prerequisites (CPP) (6/8 hrs)
(C or better grades are required in all courses)
- MAC 2233 or  3 hrs
- MAC 2311
- MAC 2314 or  3 hrs
- MAC 2312
- PHY 2053C or  3 hrs
- PHY 2048L

3. Engineering Technology Core Requirements (21 hrs)
(C or better grades are required in all courses except lower level technical electives)
- ANT 2511, BSC 1005, BSC 1050, GEO 1200,  4 hrs
- GEO 2370 or GLY 1030  4 hrs
- ENC 3241  3 hrs
- MAC 1105  3 hrs
- MAC 1114  3 hrs
- MAC 2233 or  3 hrs
- PHY 2053C  3 hrs
- EET 3054  3 hrs
- EET 3061C  3 hrs
- EET 3071C  3 hrs
- EET 3115  3 hrs
- EET 4635  3 hrs

4. Technical Specialization (60 hrs)
(C or better grades are required in all courses except lower level technical electives)

Lower Level Required and Elective Courses (28 hrs)
- EST 3543C  3 hrs
- CHM 1032, 1032L  4 hrs
- CET 2364  3 hrs
- EET 3085C  4 hrs
- EGN 1111C  2 hrs
- STA 2023  1 hrs
- Approved Lower Level Technical Electives  11 hrs

Upper Level Required Courses (21 hrs)
- EST 4502C  4 hrs
- ETM 3300C  3 hrs
- ETG 3533C  4 hrs
- ETI 3421  3 hrs
- ETM 4220  4 hrs
- ETI 4448  3 hrs

Upper Level Technical Elective (Select 4) (12 hrs)
- ETC 4206  3 hrs
- ETC 4241C  3 hrs
- ETC 4242  3 hrs
- ETC 4414C  3 hrs
- ETC 4415C  3 hrs
- ETC 4331C  4 hrs
- ETC 4512C  3 hrs
- ETC 3418C  3 hrs
- ETC 4242  4 hrs
- ETC 4333C  3 hrs
- ETC 4755  4 hrs

5. Departmental Graduation Requirement (3 hrs)
(C or better grades are required in all courses)
- ETT 4950C Senior Design Project  3 hrs
- A grade of 2.0 or better is required in all prerequisites.

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. Approved Technical Electives
Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements
UCF Degree Programs

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hours

Related Programs: Engineering Technology (Operations Concentration).

Related Minors: none

Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution or the UCF GEP must have satisfied the lower division requirements of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048L and 2049L substitute for PHY 2053C and PHY 2054C respectively.

Tentative Schedule for the Design Concentration

The tentative course schedule below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. Engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>MAC 2253/2311</td>
<td>MAC 3401</td>
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<tr>
<td>ETI 3651C</td>
<td>ETT 4220</td>
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<td>ETT 3116</td>
<td>ETT 4635</td>
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<td>PHY 2063C/2048</td>
<td>ETT 3350C Appl CAD</td>
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<th>Summer</th>
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<tbody>
<tr>
<td>ETC/ETI Elective</td>
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<tr>
<td>ETT 4331C App Fluid Mech</td>
</tr>
<tr>
<td>ETT 4448 Applied Proj Mgmt</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>ETT 3421</td>
<td>EST 4502C Metro IInstr</td>
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<tr>
<td>ETT 3543C Prog Log Controllers</td>
<td>ETG 4950C Srg Design Proj</td>
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<tr>
<td>ETC 3542 App Mechanics</td>
<td>ETC 4242 Contract Spec</td>
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<td>ETC 4241C Constr Meth</td>
<td>ETC 3533C Eng Strength of Mat</td>
</tr>
<tr>
<td>ENC 3241 Tech Rep Writ</td>
<td>ETI 3671 Tech Econ Anal</td>
</tr>
</tbody>
</table>

ENGINEERING TECHNOLOGY - OPERATIONS CONCENTRATION (B.S.E.T.)

College of Engineering and Computer Science Engineering Technology (ENT) Department, ENGR 207 http://www.ent.ucf.edu

Coordinator: Lucy Morse
407-823-4742, Fax: 407-823-4746

Admission Requirements: none

Degree Requirements:
- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.

- A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36+2 hrs)
   A. Communication Foundations 9 hrs
      1. ENC 1101, ENC 1102
      2. Prefer SPC 1016
   B. Cultural and Historical Foundations 9 hrs
      1. Select MAC 1105
      2. select STA 2023
   C. Mathematical Foundations 6 hrs
      1. Select MAC 1108
   D. Social Foundations
      1. Select PHY 2035C
   E. Science Foundations
      1. Select PHY 2035C
      2. ANT 2011, ENC 1105, ENC 1050, ENC 1030, GEO 1200 or MCB 1310

2. Common Program Prerequisites (CPP) (6/8 hrs)
   MAC 2253 or
   MAC 2311
   MAC 3401 or
   PHY 2035C or

3. Engineering Technology Core Requirements (21 hrs)

4. Technical Specialization (60 hrs)
   (C or better grades are required in all courses except the lower level technical electives)
   Lower Level Required and Elective Courses (28 hrs)
   ETC 3543C Programmable Logic Controllers 3 hrs
   CHM 1032, 1032L General Chemistry, Lab 3 hrs
   CET 2364 Systems Application in C 3 hrs
   EET 3085C Electricity and Electronics 4 hrs
   EGN 1111C Eng Computer Graphics 2 hrs
   STA 2023 Statistical Methods I 3 hrs

   Approved Lower Level Technical Electives 11 hrs

   Upper Level Required Courses (16 hrs)
   ETC 4640 Operations Management 3 hrs
   ETI 3350C Applied CADD 3 hrs
   ETI 3421 Materials & Processes 3 hrs
   ETM 4220 Applied Energy Systems 4 hrs
   ETI 4448 Applied Project Management 3 hrs

   Upper Level Technical Elective (Select 5) (17 hrs)
   ETC 3690 Technical Sales 3 hrs
   ETI 4195 Applied Reliability 3 hrs
   ETI 4205 Applied Logistics 3 hrs
   ETG 3533C Applied Engnrng Strength of Materials 4 hrs
   ETI 4661C Applied Facilities Planning & Design 3 hrs
   ETI 4714 Applied Safety 3 hrs
   ETI 4502C Metrology & Instrumentation 4 hrs
   ETC 4331C Applied Fluid Mechanics 4 hrs
   ETI 3418C Computer Numerical Controls 3 hrs

5. Departmental Graduation Requirement (3 hrs)
   ETG 4950C Senior Design Project 3 hrs
   A grade of 2.0 or better is required for all prerequisites.

6. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: none
7. Approved Technical Electives
Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

8. University Minimum Graduation Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required 128 hours

Related Programs: Engineering Technology (Operations Concentration).

Related Minors: none

Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution meet have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly scheduled 3000- or 4000-level courses taken from the UCF ENT Department.
- PHY 2048/L and 2049/L substitute for PHY 2053C and PHY 2054C respectively.

Tentative Course Schedule for the Operations Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year
Fall 13/14 hrs Spring 13 hrs
MAC 2233/2311 Calculus I 3/4 MAP 3401 Problem Analysis 3
PHY 2053C/2048 Physics I 3 ETG 3541 Mechanics 3
ETI 3651C Comp Appl 3 EIM 4220 Energy Systems 4
ETI 4640 Operations Mgmt 3 ETI 4635 Tech Admin 3

Summer 10 hrs
ETI 4700 Occup Safety 3
ETM 4331C Appl Fluid Mech 4
ETI 4448 Applied Proj Mgmt 3

Senior Year
Fall 15 hrs Spring 13 hrs
ETI 3421 Matrs & Process 3 ENC 3241 Tech Report Writ 3
ETI 4205 App Logistics 3 ETG 4590 Sr Design Proj 3
ETD 3550C Appl CAD 3 ETI Elective 3
ETI 3116 Appl Engr Qual Assur 3 ETI 3553C Eng Strength Mat'l 4
ETI 3671 Tech Econ Anal 3

87. 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 hours

Related Programs: Engineering Technology (Operations Concentration).

Related Minors: none

Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution meet have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly scheduled 3000- or 4000-level courses taken from the UCF ENT Department.
- PHY 2048/L and 2049/L substitute for PHY 2053C and PHY 2054C respectively.

Tentative Course Schedule for the Operations Concentration

The tentative course schedule listed below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year
Fall 13/14 hrs Spring 13 hrs
MAC 2233/2311 Calculus I 3/4 MAP 3401 Problem Analysis 3
PHY 2053C/2048 Physics I 3 ETG 3541 Mechanics 3
ETI 3651C Comp Appl 3 EIM 4220 Energy Systems 4
ETI 4640 Operations Mgmt 3 ETI 4635 Tech Admin 3

Summer 10 hrs
ETI 4700 Occup Safety 3
ETM 4331C Appl Fluid Mech 4
ETI 4448 Applied Proj Mgmt 3

Senior Year
Fall 15 hrs Spring 13 hrs
ETI 3421 Matrs & Process 3 ENC 3241 Tech Report Writ 3
ETI 4205 App Logistics 3 ETG 4590 Sr Design Proj 3
ETD 3550C Appl CAD 3 ETI Elective 3
ETI 3116 Appl Engr Qual Assur 3 ETI 3553C Eng Strength Mat'l 4
ETI 3671 Tech Econ Anal 3
5. Departmental Graduation Requirement (3 hrs)
   ETG 4950C Senior Design Project 3 hrs
   A grade of 2.0 or better is required for all prerequisites.

6. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or
   one year of one foreign language in college (or equivalent proficien-
   cy exam) prior to graduation.
   Graduation: none

7. Approved Technical Electives
   Students should consult with the ENT Department for a list of the
   approved technical electives and the terms when specific courses of
   this type are to be offered.

8. University Minimum Graduation Requirements
   A 2.0 UCF GPA
   60 semester hours earned after any CLEP award
   48 semester hours of upper division credit completed
   30 of the last 36 hours of course work must be completed in resi-
   dency at UCF
   25% of course work must be completed in residency at UCF
   A maximum of 45 hours of extension, correspondence, CLEP,
   Credit by Exam, and Armed Forces credits permitted
   Complete the General Education Program, the Gordon Rule, the
   CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required 128 hours

Related Programs: Engineering Technology (Operations
   Concentration).

Related Minors: none

Transfer Notes:
   Students transferring from any Florida public institution with an
   AA degree or with the general education program (GEP) require-
   ments of that institution met have thereby satisfied UCF GEP
   requirements.
   Students entering a UCF undergraduate program and having a
   previously earned baccalaureate degree from an accredited insti-
   tution have thereby satisfied UCF GEP requirements. (See also
   the section on the GEP found elsewhere in this catalog.)
   Courses taken from Community Colleges do not substitute for
   Upper Division Courses.
   Courses transferred must be formally evaluated for equivalency
   credit. The student must provide all supporting information to the
   ENT Department for this evaluation.
   ENT Departmental Residency Requirements consist of at least
   32 semester hours of regularly scheduled 3000- or 4000-level
   courses taken from the UCF ENT Department.
   PHY 2048/L and 2049/L substitute for PHY 2053C and PHY
   2054C respectively.

Tentative Course Schedule for the Space Systems Concentration

The tentative course schedule listed below is a guide for those stu-
ents who plan on completing their upper division engineering tech-
nology degree requirements in two years. Many students choose to
spread out these requirements over a longer period of time. All engi-
nering students should meet with their faculty advisor to develop
and maintain an appropriate plan of study.

Junior Year
   Fall 15/16 hrs  Spring 14 hrs
   MAC 2233/2231 Calculus I 344 MAP 3401 Problem Analysis 3
   ETI 3550C Appl CAD 3 ETI 4220 Energy Systems 4
   ETI 3116 App Engl Qaul Assur 3 ETI 3533 Eng Strength of Mat 4
   EST 3943 Prog Log Control 3 ETI 3541 Appl Mechanics 3
   ETI 4836 Space Systems Tech 3
   Summer 8 hrs
   ENC 3241 Tech Report Writing 3
   ETI 3671 Tech Econ Analysis 2
   ETI Elective 3

Senior Year
   Fall 13 hrs  Spring 13 hrs
   EET 3085C Elect & Electronics 4 EST 4502C Metro I Instr 4
   ETI 4835 Rocket Prop Tech 3 ETI 4590C Sr Design Proj 3
   ETI Elective 3 ETI Elective 3
   ETI 4635 Tech Admin 3 ETI Elective 3

ENGLISH - CREATIVE WRITING (B.A.)
College of Arts and Humanities
English Department, CNH 301,
http://english.ucf.edu
E-mail: english@ucf.edu
T. Krise, 407-823-2212

Admission Requirements: 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

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(9 hrs)
   Application and admission through the English Honors Committee
   and the Honors College
   Fulfill University requirements for Honors in the Major
   Grade of ÔBÔ (3.0) or better in 5000 level English elective (3 hrs),
   Directed Readings (3 hrs), and Thesis hours (3 hrs).
   Successful completion and oral defense of honors thesis

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      Select ENC 1101 and ENC 1102 6 hrs
      Prefer SPC 1600 Fund of Oral Com
      3 hrs
   B. Cultural and Historical Foundations
      Select one class from 1.B.1 list
      Prefer LIT 2110 World Literature I 3 hrs
      Prefer LIT 2120 World Literature II 3 hrs
   C. Mathematical Foundations
      Prefer MGF 1106 Finite Mathematics 3 hrs
      (may substitute a higher level math)
      Prefer STA 1060C Statistics Using Excel
      3 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites
   ENC 1101 Composition I
   ENC 1102 *Composition II
   *See Transfer Notes for possible substitutes

3. Core Requirements (6 hrs)
   CRW 303C 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 3613 Narratives of Slavery
      AML 4304 Whitman & Heirs
      ENL 2012 English Literature I
      ENL 4220 English Renaissance Poetry and Prose
      ENL 4230 Eighteenth Century Studies
### Related Programs:
- Technical Writing, Literature
- Linguistics, Technical Writing, Writing

### Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Students must provide all supporting information.

### Acceptable Substitutes:
For common program prerequisites to the BA in Creative Writing if taken prior to transferring to UCF:
- ENC 1101 & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. ENC 1101 & 1102, however, are prerequisites for all subsequent English courses and will need to be taken for the major.

### 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.

### Suggested Plan of Study:

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2210* req# 1B1-GEP</td>
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</tr>
<tr>
<td>MGF 1101* req# 1C1-GEP</td>
<td>3</td>
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<tr>
<td>POS 2041* req# 1D2-GEP</td>
<td>3</td>
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<tr>
<td>SPN 1120* req# 1E1-GEP</td>
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#### Sophomore Year

<table>
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<th>Fall</th>
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<tbody>
<tr>
<td>BSC 1005* req# 2E1-GEP</td>
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</tr>
<tr>
<td>LIT 2110 World Lit I</td>
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</tr>
<tr>
<td>PSY 2012* req# 2A2-GEP</td>
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<tr>
<td>ENG 3014 Theor Tech of St</td>
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</table>

#### Junior Year

<table>
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<tbody>
<tr>
<td>ENG 3014 Theor Tech of St</td>
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<tr>
<td>AML 3041* req# 4b-LitHis</td>
<td>3</td>
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<tr>
<td>CRW 4114* req# 4A-LitHis</td>
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#### Senior Year

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<tr>
<td>CRW 4114* req# 4A-LitHis</td>
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<tr>
<td>CRW 4122* req# 4D1-LitHis</td>
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</tr>
</tbody>
</table>

### Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of CRW 3013

### Foreign Language Requirements
- **Admission:** Must be 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.

### Electives
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.
- **(variable)**

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- **120 hours**

### Notes:
- Each semester, additional courses may satisfy this requirement. Check with advisor for details.

### University Minimum Exit Requirements
- **(variable)**
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- **120 hours**

### Related Programs:
- Technical Writing, Literature

### 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. Students must provide all supporting information.

### Acceptable Substitutes:
For common program prerequisites to the BA in Creative Writing if taken prior to transferring to UCF:
- ENC 1101 & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. ENC 1101 & 1102, however, are prerequisites for all subsequent English courses and will need to be taken for the major.

### 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.

### Suggested Plan of Study:

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### Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of CRW 3013

### Foreign Language Requirements
- **Admission:** Must be 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.

### Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.
- **(variable)**

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- **120 hours**

### Related Programs:
- Technical Writing, Literature

### 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. Students must provide all supporting information.

### Acceptable Substitutes:
For common program prerequisites to the BA in Creative Writing if taken prior to transferring to UCF:
- ENC 1101 & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. ENC 1101 & 1102, however, are prerequisites for all subsequent English courses and will need to be taken for the major.

### 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.

### Suggested Plan of Study:

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<td>CRW 4122* req# 4D1-LitHis</td>
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</table>
Students should see an advisor prior to registering for classes.

1. UCF General Education Program (36 hrs)

A. Communication Foundations (9 hrs)
ENC 1101 Composition I 3 hrs
ENC 1102 Composition II 3 hrs
Select SPE 1600 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundations (9 hrs)
Select AMH 2010 U.S. History 1492-1877 3 hrs
Select AMH 2020 U.S. History 1877-Present 3 hrs
Select PHI 2010 Introduction to Philosophy 3 hrs

C. Mathematical Foundations (6 hrs)
Prefer MGF 1106 Finite Mathematics 3 hrs
Select one: STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

D. Social Foundations (6 hrs)
Prefer POS 2014 American National Government 3 hrs
Select PSY 2012 General Psychology 3 hrs

E. Science Foundations (6 hrs)
Prefer PSC 1121 Physical Science 3 hrs
Select one: SCI 2000 Theatre Survey or FIL 2400 History of Motion Pictures 3 hrs

F. Education Courses (9 hrs)

G. Diversity Courses (3 hrs)

H. Other Program Prerequisites (6 hrs)

3. Specialization Requirements (24 hrs)

ENL 2002 English Literature II to 1950 3 hrs
LIT 2110 World Literature I 3 hrs
LIT 2120 World Literature II 3 hrs
AML 3031 American Literature I 3 hrs
AML 3041 American Literature II 3 hrs

4. Education Core Requirements (15 hrs)

*EDG 4323 Professional Teaching Practices 3 hrs
*EDF 4214 Classroom Learning Principles 3 hrs
*TSL 4080 Theory and Practice of Teaching ESL 3 hrs

5. Program Core Requirements (13 hrs)

*LAE 4464 Adolescent Literacy 3 hrs
LAE 4361 Literacy Strategies for Mid/High Schools 3 hrs
LAE 4360 Eng Instructional Analysis 4 hrs
LAE 4342 Teaching Lang/Comp 3 hrs

6. Internship I (ESE 3940) (3 hrs)

7. Internship II (ESE 4943) (12 hrs)

8. Foreign Language Requirements (0-8 hrs)

9. Departmental Exit Requirements

10. University Minimum Exit Requirements

11. Total Semester Hours Required 128 hours

12. Recommended Four-Year Sequence of Courses

Freshman Year

Fall (12 hrs) Spring (16 hrs)

ENL 2002 English Literature II to 1950 3 hrs
EDG 2701 Teaching Diverse Populations 3 hrs
ENG 3014 Theories of Literature 3 hrs

Spring

EDF 4203 Analysis of Critical Issues in Education 3 hrs
EDF 4214 Classroom Learning Principles 3 hrs
TSL 4080 Theory and Practice of Teaching ESL 3 hrs

Note: See laboratory component under Section 2.
**ENGLISH - LITERATURE (B.A.)**

**College of Arts and Humanities**

**English Department, CNH 301,**

**http://english.ucf.edu**

**E-mail: english@ucf.edu**

T. Krise, 407-823-2212

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**Admission Requirements**  
none

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**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

---

**Honors in English Degree:**

**Additional Requirements**  
(9 hrs)

Application and admission through the English Honors Committee and the Honors College.

Complete University requirements for Honors in the Major.

Grade of OBO (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).

Successful completion and oral defense of honors thesis.

---

**1. UCF General Education Program**  
(36 hrs)

A. Communication Foundations  
- Select ENC 1101 and ENC 1102  
  6 hrs
- Prefer SPC 1600 Fund of Oral Com  
  3 hrs

B. Cultural and Historical Foundations  
- Select one class from 1.B.1 list  
  3 hrs
- Prefer LIT 2110 World Literature I  
  3 hrs
- Prefer LIT 2120 World Literature II  
  3 hrs

---

**2. Common Program Prerequisites**  
(6 hrs)

A. English Foundation  
- Select five courses from the two groupings

---

**3. Core- Gateway Courses**  
(6 hrs)

- a. Choose one gateway course:  
  3 hrs

---

**4. Literary History Requirement**  
(15 hrs)

Choose five courses from the two groupings

---

**5. Upper Division Requirements**  
(15 hrs)

- a. Select at least two of these pre-1865 literature courses.

---

**6. Departmental Exit Requirements**

- a. Choose one single author or major author course:  
  3 hrs

---

**7. Foreign Language Requirements**  
(0-8 hrs)

- Admission: Met by graduation requirement
- Graduation: Proficiency equivalent to three semesters of college
8. Electives (variable)
Select primarily from upper level courses, with departmental advisor approval. May be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours

Related Programs: Creative Writing, Technical Writing
Related Minors: Creative Writing, Linguistics, Technical Writing, Writing

Transfer Notes:
Courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites to the BA in Literature if taken prior to transferring to UCF:
ENC 1101* & 1102*: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
ENC 1101 Composition I 3
HUM 2210* req# 1B1-GEP 3
MGF 1106* req# 1C1-GEP 3
POS 2041* req# 1D1-GEP 3
SPC 1600* req# 1I3-GEP 4

Sophomore Year
Fall
BSC 1005* req# 1E2-GEP 3
LIT 2110 World Lit II 3
PSY 2012* req# 1D2-GEP 3
Elective* Check restrictions 3
SPN 1121* req# Lang/Elect 3

Spring
ENC 1102 Composition II GEP 3
STA 1060C Stat Using Excel 3
SPN 1120* req# Lang/Elect 3

Junior Year
Fall
CRW 3013* req# 3-Core 3
ENL 2022* req# 4-Hist 3
LIN 4100* req# 5b-UD 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
ENL 2012* req# 4-Hist 3
ENL 4230* req# 4b-Hist 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Senior Year
Fall/Spring
AML 4101* req# 5c-UD 3
ENL 4253* req# 5c-UD 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

ENGLISH - TECHNICAL WRITING (B.A.)
College of Arts and Humanities
English Department, CNH 301
http://english.ucf.edu
E-mail: english@ucf.edu
T. Krise, 407-823-2212

Admission Requirements
none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course
- Co-op or internship credit cannot be used in this major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Honors in English Degree: Additional Requirements (9 hrs)
- Application and admission through the English Honors Committee and the Honors College
- Fulfill University requirements for Honors in the Major
- Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of honors thesis

1. UCF General Education Program (36 hrs)
A. Communication Foundations 6 hrs
Select ENC 101, ENC 102
Prefer SPC 1600 Fund of Oral Com 3 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
Prefer STA 1060C Statistics Using Excel 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites
ENC 1101* Composition I GEP
ENC 1102* Composition II GEP
*See Transfer Notes for possible substitutes

3. Core courses-Basic (6 hrs)
Choose one of the following: 3 hrs
ENC 3211 Theory & Practice of Tech Writing
OR
ENC 3241 Writing for the Technical Professional
Choose one of the following: 3 hrs
ENG 3014 Theory & Tech of Literary Study
OR
CRW 3013 Creative Writing for English Majors

4. Literary History Requirement (9 hrs)
Choose three courses from these two groupings
- Select at least one of these pre-1865 literature courses.
AML 3031 American Literature I
AML 3613 Narratives of Slavery
AML 4304 Whitman & Heirs
ENL 2012 English Literature I
ENL 4220 English Renaissance Poetry and Prose
ENL 4230 Eighteenth Century Studies
ENL 4240 English Romantic Writers
ENL 4311 Chaucer
ENL 4333 Shakespeare
ENL 4341 Milton and His Age
LIT 4374 Literature of the Bible
- Select at least one of these post 1865 literature courses.
AML 3041 American Literature II
AML 3283 Contemp American Women’s Fiction
AML 3614 Topics in African American Literature
AML 3615 Harlem, Haiti, and Havana
AML 3640 Native American Literature
A. Communication Foundations
1. ENC 1101 & ENC 1102
2. Prefer SPC 1016
B. Cultural and Historical Foundations
1. Select two courses from Historical Foundations
C. Mathematical Foundations
1. Select MAC 2311 (PR: MAC 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. Prefer GEO 1200
(Note: Environmental Engineering Majors must satisfy both an Earth Science requirement AND a Biological Science requirement).

2. Common Program Prerequisites (CPP’s) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

- CHM 2045C/45L Chemistry Fundamentals I 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048/48L Physics for Engineers & Scientists I 4 hrs
- PHY 2049/49L Physics for Engineers & Scientists II 4 hrs
- ENC 1101 Composition I 4 hrs
- ENC 1102 Composition II 4 hrs
- Humanities Courses 6 hrs
- Social Science Courses 6 hrs
- Humanities or Social Sciences 6 hrs

3. Courses Required for the Major (57 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with technical elective courses listed in 4. below and with the senior design courses listed in 5. below. Independent study courses generally do satisfy major requirements and normally are awarded grades of I, S, or U.

EN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
CHM 2046/46L Chemistry Fundamentals II w/Lab 4 hrs
EGN 2111, 407-823-2841, Fax: 407-823-3315,
http://www.cee.engr.ucf.edu
Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl,
E-Mail: cpohl@mail.ucf.edu

E-mail: cooper@mail.ucf.edu

Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl,
### UCF Degree Programs

**FIRST YEAR**

**Fall**
- EGN 3943 Thermodynamics 3 hrs
- EGN 3613 Introduction to Engineering 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- CCE 4003 Intro to the Construction Industry 3 hrs
- ENV 3001 Intro to Environmental Engineering 3 hrs
- STA 3032 Probability & Statistics for Engineers 3 hrs

**Spring**
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EES 4111 Biological Process Control 3 hrs
- EES 4202C Chemical Process Control 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid Waste Management 3 hrs
- ENV 4561 Environmental Engineering Process Design 4 hrs
- ENV 4563 Environmental Control Systems 3 hrs

**SECOND YEAR**

**Fall**
- EGN 3343 Thermodynamics 3 hrs
- EGN 3601 Intro to Engr 3 hrs
- STA 3032 Probability & Statistics for Engineers 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EES 4111 Biological Process Control 3 hrs
- EES 4202C Chemical Process Control 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid Waste Management 3 hrs
- ENV 4561 Environmental Engineering Process Design 4 hrs
- ENV 4563 Environmental Control Systems 3 hrs

**Spring**
- STA 3032 Probability & Statistics for Engineers 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EES 4111 Biological Process Control 3 hrs
- EES 4202C Chemical Process Control 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid Waste Management 3 hrs
- ENV 4561 Environmental Engineering Process Design 4 hrs
- ENV 4563 Environmental Control Systems 3 hrs

**THIRD YEAR**

**Fall**
- EGN 3343 Thermodynamics 3 hrs
- EGN 3601 Intro to Engr 3 hrs
- STA 3032 Probability & Statistics for Engineers 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EES 4111 Biological Process Control 3 hrs
- EES 4202C Chemical Process Control 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid Waste Management 3 hrs
- ENV 4561 Environmental Engineering Process Design 4 hrs
- ENV 4563 Environmental Control Systems 3 hrs

**Spring**
- STA 3032 Probability & Statistics for Engineers 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EES 4111 Biological Process Control 3 hrs
- EES 4202C Chemical Process Control 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid Waste Management 3 hrs
- ENV 4561 Environmental Engineering Process Design 4 hrs
- ENV 4563 Environmental Control Systems 3 hrs

**FOURTH YEAR**

**Fall**
- STA 3032 Probability & Statistics for Engineers 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EES 4111 Biological Process Control 3 hrs
- EES 4202C Chemical Process Control 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid Waste Management 3 hrs
- ENV 4561 Environmental Engineering Process Design 4 hrs
- ENV 4563 Environmental Control Systems 3 hrs

**Spring**
- STA 3032 Probability & Statistics for Engineers 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EES 4111 Biological Process Control 3 hrs
- EES 4202C Chemical Process Control 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid Waste Management 3 hrs
- ENV 4561 Environmental Engineering Process Design 4 hrs
- ENV 4563 Environmental Control Systems 3 hrs

**Notes:**
- Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
- 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's academic advisor, be moved to the area 4. Approved Technical Electives.

### 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

**Degree Requirements**

1. **UCF General Education Program** (36 hrs)
   - Communication Foundations 9 hrs
   - Cultural and Historical Foundations 9 hrs
   - Mathematical Foundations 9 hrs
   - Computer Literacy 3 hrs
   - Social Foundations 3 hrs
   - Environmental Studies, Mathematics, Engineering Leadership & Management 3 hrs

2. **Common Event Degree Requirements** (6 hours)
   - HFT 1000 Introduction to Hospitality Management 3 hrs
   - HFT 2750 The Event Industry 3 hrs

3. **Hospitality Management Core** (25 hours)
   - ECO 2013 Macroeconomics 3 hrs
   - STA 2023 Statistical Methods I 3 hrs
   - MAC 2311 Calc w/Analy Geo I 4 hrs
   - MAC 2312 Calc w/Analy Geo II 4 hrs
   - ECO 2003 Microeconomics 3 hrs
   - EN 1007C Engn Econ Conc & Meth 1 hr
   - EGN 1006C Intro to Engr 3 hrs

4. **Technical Electives** (8 hrs)

5. **Departmental Graduation Requirements** (6 hrs)
   - Approved EnvE Design Course 3 hrs
   - Approved EnvE Design Course II 3 hrs
   - Approved EnvE Design Course III 3 hrs

6. **Foreign Language Requirements** (0-8 hrs)

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

8. **Total Semester Hours Required:** 128 hrs

9. **Total Hours Required: 128 hrs**

10. **Total Weeks Required:** 128 weeks

11. **Total Times Required:** 128 times
HFT 2403 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 4462 Hospitality Industry Finance 3 hrs
HFT 3933 Distinguished Hospitality Lectures 1 hr

4. Practicum (3 hours)
HFT 3940 Internship I 1 hr
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr

5. Event Management Core (24 hours)
HFT 3670 Hospitality & Event Risk Management 3 hrs
HFT 3512 Event Promotion 3 hrs
HFT 3443 Event Technology 3 hrs
HFT 3792 Event Design & Production 3 hrs
FSS 221C Quantity Food Production 3 hrs
HFT 3802 Catering Management 3 hrs
HFT 3757 Event Management I 3 hrs
HFT 4791 Event Management II 3 hrs

6. Restricted Electives (15 hours)
Choose any courses from the list below for a total of 15 credit hours
HFT 3741 Meeting Management 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
HFT 3531 Convention Sales 3 hrs
HFT 4753 Convention Services 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4XXX Fairs and Festivals 3 hrs
HFT 4XXX Destination Marketing 3 hrs
HFT 4XXX Destination Management 3 hrs
HFT 4XXX International Events 3 hrs

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. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 48 semester hours of upper division credit completed
■ 30 of the last 36 hours of course work must be completed in residence at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
■ Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Unrestricted Electives (6-14 hours)
As necessary to result in 120 total credit hours.
Total Semester Hours Required 120 hours

Community/Junior College Transfer Notes
■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
■ Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
■ A minimum of 30 semester hours must be completed at UCF within the 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.

FOUR YEAR PLAN OF STUDY FOR EVENT MANAGEMENT*
*Plan your required nine summer credit hours into your course of study.

Freshman Year
Fall 15 hrs Spring 15 hrs
ENC 1101 3 hrs ENC 1102 3 hrs
Cult/Hist Found Seq. I 3 hrs SPC 1600C 3 hrs

Sophomore Year
Fall 15 hrs Spring 15 hrs
Science Found I 3 hrs Science Found II 3 hrs
E CO 2013 or E CO 2023 3 hrs HFT 2220 3 hrs
HFT 2500 3 hrs HFT 2403 3 hrs
HFT XXXX Event Tech 3 hrs Cult/Hist Foundation 3 hrs
3XXX Hos & Evnt Risk 3 hrs 3XXX Event Promo 3 hrs

Junior Year
Fall 16 hrs Spring 16 hrs
HFT XXXX Evnt Design 3 hrs FSS 221C 3 hrs
HFT 3431 3 hrs HFT 4462 3 hrs
HFT 2254 3 hrs HFT 3942 1 hrs
HFT 3940 1 hrs Hosp Event Elective 3 hrs
HFT 3540 3 hrs Hosp Event Elective 3 hrs

Senior Year
Fall 13 hrs Spring 15 hrs
HFT 3941 3 yrs Hosp Event Elective 1 hw
HFT 3540 3 hrs Hosp Event Elective 3 hrs
HFT 3940 1 hrs Hosp Event Elective 3 hrs
Free electives 6 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 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 common program prerequisite courses

Degree Requirements:
■ Students should consult with an advisor prior to registration
■ Students must earn at least a "C" in each required Exceptional Education course
■ The courses designated in 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
A. Communication Foundations (9 hrs)
ENC 1101 Composition I 3 hrs
ENC 1102 Composition II 3 hrs
Select SPC 1600 Fundamentals of Oral Communication 3 hrs
B. Cultural-Historical Foundations* (9 hrs)
Select AMH 2010 U.S. History 1492-1877 3 hrs
Select AMH 2020 U.S. History 1877-Present 3 hrs
Select PHI 2100 Introduction to Philosophy 3 hrs
C. Mathematical Foundations* (6 hrs)
Select MGF 1106 Finite Mathematics 3 hrs
Select one:
STA 1060C Basic Statistics using MS Excel or
STA 2014C Principles of Statistics 3 hrs
D. Social Foundations (6 hrs)
Select POS 2041 American National Government 3 hrs
Select PSY 2012 General Psychology 3 hrs
E. Science Foundations (6 hrs)
Select PSC 1121 Physical Science 3 hrs
Select one:
ANT 2511 The Human Species or
BSC 1005 Biological Principles 3 hrs

Note: See laboratory component under Section 2.

2. Common Program Prerequisites (25 hrs)
### UCF Degree Programs

#### A. Communications
- ENC 1101 Composition I
  - GEP
- ENC 1102 Composition II
  - GEP
- SPC 1600 Fundamentals of Oral Communication
  - GEP

#### B. Humanities
- PHI 2010 Introduction to Philosophy
  - GEP
Select one:
- ARH 2050 The History of Art I or
- ARH 2051 The History of Art II or
- MUL 2010 Enjoyment of Music or
- THE 2000 Theatre Survey or
- FIL 2400 History of Motion Pictures

#### C. Mathematics
- MAC 1105 College Algebra
  - 3 hrs
- MGF 1106 Finite Mathematics
  - 3 hrs
- STA 1060C Basic Statistics using MS Excel or
- STA 1064C Statistics
  - (9 hrs)

#### E. Science
- ARH 2050 The History of Art I
  - Select one: 3 hrs
- PHI 2010 Introduction to Philosophy
  - GEP
- SPC 1600 Fundamentals of Oral Communication
  - GEP
- ENC 1101 Composition I
  - GEP
- ARH 2051 The History of Art II
  - Select one: 3 hrs
- MUL 2010 Enjoyment of Music
  - Select one: 3 hrs
- THE 2000 Theatre Survey
  - Select one: 3 hrs
- FIL 2400 History of Motion Pictures

#### 7. Foreign Language Requirements
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### 8. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

#### 9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

#### 10. Total Semester Hours Required
127 hrs

At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

#### 11. Recommended Four-Year Sequence of Courses

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<tr>
<td>TSL 4141</td>
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B. Cultural and Historical Foundations

A. Communication Foundations 9 hrs

Courses designated in 1 (General Education Program) and 2

All students are required to pay a fee for equipment insurance.

Students must consult with a departmental advisor each

A maximum of three credit hours of internship may be earned in

Students who change degree programs and select this major

3. Lower Level Core Requirements (18 hrs)

FIL 2107 Script Analysis 3 hrs
FIL 1009 Cinematic Expression for Majors 3 hrs
FIL 2774C Editing I 3 hrs
FIL 2220 Directing I 3 hrs
FIL 2200 Cinematography I 3 hrs

FIL 2211 Acting for Film I 3 hrs

4. Upper Level Core Requirements (42 hrs)

DIG 3001 Digital Media Principles 3 hrs
FIL 3124 Short Script I 3 hrs
FIL 3301C Intro to Film Production 3 hrs
FIL 3297 Sound Design I 3 hrs
FIL 3401 Film History I 3 hrs
FIL 3402 Film History II 3 hrs
FIL 3503C Film Theory and Criticism I 3 hrs
FIL 3922 Film Colloquium 6 hrs

(Six semesters of Colloquium required at 1 hr each)

FIL 4208C Directing II 3 hrs
FIL 4604 The Film Producer 3 hrs
FIL 4607 Film Production Management 3 hrs

Select one course:

FIL 3125 Short Script II 3 hrs
FIL 4111C Feature/TV Writing 3 hrs

5. Upper Level Restricted Electives (12 hrs)

Select four courses from the following. Must complete all core

requirements before taking these courses. A maximum of six hours

of Independent Study may be substituted with advisor’s prior

approval.

Production/Direction

FIL 3300C Film Documentary 3 hrs
FIL 3825 Interactive Entertainment 3 hrs
FIL 4210C Cinematography II 3 hrs
FIL 4212C Sound Design II 3 hrs
FIL 4213 Sound Design III 3 hrs
FIL 4223 Design for Film 3 hrs
FIL 4228 Directing III 3 hrs
FIL 4294C Editing II 3 hrs

Screen Writing

FIL 4103 Adaptation 3 hrs
FIL 4112C Feature/TV Writing II 3 hrs
FIL 4113C Interactive Writing I 3 hrs
FIL 4114C Interactive Writing II 3 hrs
FIL 4506C Genre Writing 3 hrs
FIL 4906 Independent Study 3 hrs

Cinema Studies

FIL 3309 Women in Film 3 hrs
FIL 3412 Black Cinema 3 hrs
FIL 3418 Avant-Garde Cinema 3 hrs
FIL 3504C Film Theory and Criticism II 3 hrs
FIL 3511 French New Wave Cinema 3 hrs
FIL 3512 Italian Neo-Realist Cinema 3 hrs
FIL 3513 Latin American Cinema 3 hrs
FIL 3520 Italian Film 3 hrs
FIL 3521 French Film 3 hrs
FIL 3522 German Film 3 hrs
FIL 3551 American Cinema 3 hrs

Digital Cinema

ART 2620 Art as Interface 3 hrs
ART 3618C Post-Production Design 3 hrs
COP 3502C Computer Science II 3 hrs
DIG 3855 Converging Media 3 hrs
DIG 3135C Digital Imagery 3 hrs
DIG 4780 Modeling for Realtime Graphics 3 hrs
ENC 4415 Digital Rhetoric & Modern Dialectic 3 hrs
IDS 3701C Internet Software Design 3 hrs
MUC 3311 MIDI Sequencing I 3 hrs

6. Capstone Courses (6 hrs)

FIL 4203C Capstone I 3 hrs
FIL 4211C Capstone II 3 hrs

7. Departmental Exit Requirements

A student must maintain an overall average of “B” (3.0) or better

in major courses.

Computer competency met by CGS 1060C or STA1060C.

Department of Film requires taking an exit examination.

8. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement

Graduation: Proficiency equivalent to one year of college instruction

in a foreign language taught by the Department of Modern

Languages and Literatures or Judaic Studies. Standardized exami-

nations for foreign languages may be used to meet the requirement.

9. Electives (variable)

Select primarily from upper level courses, with departmental advi-

sor’s approval. May be outside of the department.
10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required: 120 hours

4. Restricted Upper Division Electives
Select three courses from the following upper level FIL courses:

DIG 3855 Converging Media
FIL 3259 Cinema Director
FIL 3309 Women in Film
FIL 3410 History of Animated Films
FIL 3412 Black Cinema
FIL 3511 French New Wave Cinema
FIL 3512 Italian Neo-Realist Cinema
FIL 3513 Latin American Cinema
FIL 3514 International Cinema
FIL 3520 Italian Film
FIL 3521 French Film
FIL 3522 German Film
FIL 3542 Cinema Criticism (writing)
FIL 3625 Interactive Entertainment
FIL 4506 Independent Study
FIL 5609 Film and Internet Business

(a maximum of 6 hours Independent Study may be used)

5. Required Minor

Must be taken outside the Film Department.

6. Departmental Exit Requirements
- A student must maintain an overall average of "B" (3.0) or better in major courses.
- Computer competency met by CGS1060 or STA1060C.

7. Foreign Language Requirements

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

Select primarily from upper division courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hours

Related Programs: Animation, Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre, Radio/TV, World Cinema
Related Minors: Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre
Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for Common Program Prerequisites
- FIL2400 may substitute FIL1001, but FIL2400 is a prerequisite
5. Upper Level Restricted Electives (9 hrs)
   Select three of the following:
   - FIL 300X Documentary Field Production
   - FIL 3504C Film Theory and Criticism II
   - FIL 3513 Latin American Cinema
   - FIL 4564 Africana Cinema
   - FIL 4574 Images & Text in Context
   - FIL 4604 The Film Producer

   Additional courses may be acceptable. Consult your advisor.

6. Capstone (6 hrs)
   - FIL 4203C Capstone I
   - FIL 4211C Capstone II

7. Departmental Exit Requirements
   - A student must maintain an overall average of "B" (3.0) or better in courses within the major.
   - Computer competency met by CGS 1060C or STA 1060C.
   - Department of Film requires a passing grade on an exit examination.

8. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement.
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. Electives (Variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required: 120 hours

Related Programs: Animation, Art, Cinema Studies, Creative Writing, Film, Digital Media, Music, Radio/TV, Theatre.

Related Minors: Cinema Studies, Creative Writing, Digital Media, African American Studies, Women Studies, Latin American Studies, Asian Studies, International and Global Studies

Transfer Notes:
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Common Program Prerequisites
- FIL 2400 may substitute FIL 1001, but FIL 2400 is a prerequisite for subsequent Film courses and still must be taken.
- FIL 1007 may use any introductory Film writing course.
- However, FIL 1007 is a prerequisite for all Cinema Studies courses and must be taken.

FINANCE (B.S.B.A.)

College of Business Administration
BAZ 101, 407-823-2184
http://www.bus.ucf.edu/finance

Admissions Requirements
- Completion of the UCF General Education Program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program (36 hrs)
A. Communications Foundations 9 hrs  
Required: SPC 1600

B. Cultural and Historical Foundations 9 hrs  
Select MAC 1105 College Algebra 3 hrs  
Select CGS 2100CC Comp Fundamentals for Bus 3 hrs

C. Mathematical Foundations 3 hrs  
Select one:  
- 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 CGS 2100CC 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.

D. Social Foundations 3 hrs  
Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics 3 hrs  
Select one:  
- PSY 2012, SYG 2000, ANT 2000 3 hrs

E. Science Foundations 6 hrs

2. Common Program Prerequisites
   Must be completed with a “C” (2.0) or better.
   
   - ACG 2071 Principles of Managerial Accounting 3 hrs  
   - ECO 2013 Principles of Macroeconomics 3 hrs  
   - ECO 2023 Principles of Microeconomics 3 hrs  
   - *ECO 3401 Quantitative Business Tools I 3 hrs  
   - CGS 2100CC Computer Fundamentals for Business 3 hrs

3. Required for All Business Majors (30 hrs)
   First or subsequent semester in the College of Business Administration:
   
   - ACG 3031 Cornerstone (Required in 1st or 2nd semester) 6 hrs  
   - GEB 3356 Introduction to International Business 3 hrs  
   - BUL 3130 Legal & Ethical Environments of Business 3 hrs  
   - ECO 3411 Quantitative Business Tools II 3 hrs  
   - FIN 3403 Business Finance 3 hrs  
   - MAN 3025 Management of Organizations 3 hrs  
   - ISM 3011 Essentials of Management Information Systems 3 hrs  
   - MAR 3023 Marketing 3 hrs

   Last Semester:
   - MAN 4720 Strategic Management 3 hrs

4. Special College and/or Department Requirements
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
   - Students wanting to major in 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 is majoring.
   - 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 3403 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 3303 Financial Markets 3 hrs  
   - FIN 3414 Intermediate Corporate Finance 3 hrs  
   - FIN 3504 Investment Analysis 3 hrs  
   - FIN 4453 Financial Models 3 hrs
   
   Select two of the following:*
   - FIN 4313 Management of Financial Institutions 3 hrs  
   - FIN 4324 Commercial Bank Management 3 hrs  
   - FIN 4514 Portfolio Analysis and Management 3 hrs  
   - FIN 451C Applied Portfolio Management I 4 hrs  
   - FIN 452C Applied Portfolio Management II 4 hrs  
   - FIN 4533 Financial Derivatives 3 hrs  
   - FIN 4604 International Financial Management 3 hrs  
   - FIN 4424 Adv Topics in Financial Management 3 hrs

6. Restricted Electives (9 hrs)
   Select three of the following:
   - ACG 3131 Financial Accounting Concepts 3 hrs  
   - ACG 3141 Intermediate Financial Accounting 3 hrs  
   - ACG 3361 Intermediate Managerial Accounting 3 hrs  
   - ECO 4412 Economic Statistics and Econometrics 3 hrs  
   - FIN 3470 Financial Statement Analysis 3 hrs

7. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   
   Graduation: 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 GAST, and nine semester hours of Summer credit (if applicable)

9. Electives*** (variable)
   Total Semester Hours Required 120 hours

Community/Junior College Transfer Notes
   - Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, 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 X901 and X911 will substitute for ACG 2011 at UCF.
   - Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
   - Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
   - A minimum of 12 semester hours must be completed at UCF within each individual major.
   - Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

FOUR YEAR PLAN OF STUDY - FINANCE
   Freshman:
   - 1st Term: 15 hrs
   - 2nd Term: 15 hrs

   1. ENC 1101* 3  
   2. ENC 1102* 3  
   3. Cul-Hist II 3  
   4. MC 1105* 3  
   5. 3 Elective 3  

   2nd Year:
   - Fall Term: 15 hrs
   - Spring Term: 15 hrs

   1. 3 Elective 3  
   2. 3 Elective 3

2006-2007 Undergraduate Catalog
FOREIGN LANGUAGE EDUCATION- FRENCH (B.S.)
College of Education
Department of Teaching and Learning Principles, ED209
http://www.education.ucf.edu/
Program Coordinator: Dr. Karen Verkler
ED 220-L, 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 prerequisite courses

Degree Requirements:
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (30 hrs)
   A. Communication Foundations (9 hrs)
      ENC 1101 Composition I 3 hrs
      ENC 1102 Composition II 3 hrs
      Select SPC 1600 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundations (9 hrs)
      Select AMH 2010 U.S. History 1492-1877 3 hrs
      Select AMH 2020 U.S. History 1877-Present 3 hrs
      Select PHI 2010 Introduction to Philosophy 3 hrs
   C. Mathematical Foundations (6 hrs)
      Select one:
      STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs
   D. Social Foundations
      Select one:
      PSC 1121 Physical Science or ECO 2013* 3 hrs
      PSY 2012 General Psychology 3 hrs
      PHI 2010 Introduction to Philosophy 3 hrs
      Select one of the following (per GEP) GEP
      STA 2014 Principles of Statistics 3 hrs
      STA 2014C Principles of Statistics 3 hrs

2. Common Program Prerequisites (25 hrs)
   A. Communications (9 hrs)
      ENC 1101 Composition I 3 hrs
      ENC 1102 Composition II 3 hrs
      SPC 1600 Fundamentals of Oral Communication 3 hrs
   B. Humanities (6 hrs)
      PHI 2010 Introduction to Philosophy 3 hrs
      ARH 2050 History of Western Art I or 3 hrs
      ARH 2051 History of Western Art II or 3 hrs
      MUL 2010 Enjoyment of Music or 3 hrs
      THE 2000 Theatre Survey or 3 hrs
      FIL 3400 History of Motion Pictures 3 hrs
   C. Mathematics (9 hrs)
      MAC 1105 College Algebra 3 hrs
      MGF 1106 Finite Mathematics 3 hrs
      One of the following (per GEP) GEP
      STA 1060C Basic Statistics using MS Excel or 3 hrs
      STA 2014C Principles of Statistics 3 hrs
   D. Science (9 hrs + lab)
      One of the following (per GEP) GEP
      PHY 2013 General Physics 3 hrs
      CHE 1411 General Chemistry I 3 hrs
      Select three upper division (3000 or 4000 level) courses in French
      Select one associated science lab: 1 hr
   E. Other Program Prerequisites (6 hrs)
      One of the following (per GEP) GEP
      ANT 2511 The Human Species or 3 hrs
      BSC 1005 Principles of Biology 3 hrs
      Select one of the following (per GEP) GEP
      STA 2014C Principles of Statistics 3 hrs
      STA 2014 Principles of Statistics 3 hrs

3. Education Core Requirements (15 hrs)
   A. Education Courses
      *EDG 4323 Professional Teaching Practices 3 hrs
      EDF 4603 Analysis of Critical Issues in Education 3 hrs
      *EDF 4214 Classroom Learning Principles 3 hrs
      TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
      Note: UCF Degree Programs
**UCF Degree Programs**

- At least 80% of all required foreign language courses and all methods courses must be completed before doing Internship II
- See additional requirements under College of Education, Office of Clinical Experiences
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education 6A-5.065

9. **Foreign Language Requirements** (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

10. **Departmental Exit Requirements**
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

11. **University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

12. **Total Program Semester Hours Required** 124 hours
At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

13. **Recommended Four-Year Sequence of Courses**

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<th>Freshman Year</th>
<th>Fall (12 hrs)</th>
<th>Spring (16 hrs)</th>
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<tbody>
<tr>
<td>EDF 2005</td>
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<td>EDG 2701</td>
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<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
<td>ENC 1102</td>
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<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
<td>MAC 1105</td>
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<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
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<td>PSC 1121L 1 hr</td>
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<tr>
<td>Summer (6 hrs)</td>
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<td>3 hrs</td>
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<td></td>
<td>PHI 2010</td>
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<tr>
<td>BSC 1005</td>
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<td>AST 2002</td>
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<tr>
<td>FRE 2200</td>
<td>3 hrs</td>
<td>FRE 2201</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3 hrs</td>
<td>ARH 2050 or</td>
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<td>STA 2014C</td>
<td>3 hrs</td>
<td>MUL 2010 or</td>
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<td>THE 2000 or</td>
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<th>Spring (12 hrs)</th>
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<tr>
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<td>ESE 4943</td>
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<tr>
<td>ESE 3940</td>
<td>3 hrs</td>
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<tr>
<td>Upper division restricted elective (FRE/FRW 3/4XXX) 3 hrs</td>
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<td>Select one:</td>
<td>3 hrs</td>
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<tr>
<td>FRE 3780 or</td>
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<td>LIN 4643</td>
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*Required prior to Internship I.

**FOREIGN LANGUAGE EDUCATION- SPANISH (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles**

**ED 209**

http://www.education.ucf.edu/

Program Coordinator: Dr. Karen Verkler

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 prerequisite courses

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. **UCF General Education Program** (36 hrs)

   **A. Communication Foundations**
   - ENC 1101: Composition I (3 hrs)
   - ENC 1102: Composition II (3 hrs)

   **B. Cultural-Historical Foundations**
   - Select SPC 1600: Fundamentals of Oral Communication (3 hrs)

   **C. Mathematical Foundations**
   - Select MGF 1106: Finite Mathematics (3 hrs)
   - Select one: STA 1060C: Basic Statistics using MS Excel or STA 2001C: Principles of Statistics (3 hrs)

2. **Social Foundations**

   **D. Social Foundations**
   - Select one: PHI 2041: American National Government (3 hrs)

   **E. Science Foundations**
   - Select one: PHY 2011: The Human Species or BSC 1005: Biological Principles (3 hrs)

   **Note:** See laboratory component under Section 2.

3. **Common Program Prerequisites** (25 hrs)

   **A. Communications**
   - ENC 1101: Composition I (9 hrs)
   - ENC 1102: Composition II (9 hrs)
   - SPC 1600: Fundamentals of Oral Communication (9 hrs)

   **B. Humanities**
   - PHI 2010: Introduction to Philosophy (9 hrs)
   - Select one: ARH 2050: History of Western Art I or ARH 2051: History of Western Art II or MUL 1010: Enjoyment of Music or THE 2000: Theatre Survey or FIL 2400: History of Motion Pictures (9 hrs)

   **C. Mathematics**
   - Select one: MAC 1105: College Algebra (3 hrs)
   - MGF 1106: Finite Mathematics (3 hrs)
   - One of the following (per GEP): STA 1060C: Basic Statistics using MS Excel or
E. Science (9 hrs + lab)
D. Social Science/History (12 hrs)

Satisfactory completion of Internship II requires the student to

At least 80% of all required foreign language courses and all

8. Internship II (ESE4943) (12 hrs)
Select one of the following: 3 hrs

10. Total Semester Hours Required 124 hrs
At the time this catalog went to press, actions were underway to
reduce this degree program length to 120 hours. Consult with your
advisor and review your degree audit for more recent information.

13. Recommended Four-Year Sequence of Courses

Freshman Year
Fall (12 hrs) Spring (16 hrs)
EDF 2005 3 hrs EDF 2701 3 hrs
ENC 1101 3 hrs ENC 1102 3 hrs
MGF 1106 3 hrs MAC 1105 3 hrs
PSY 2012 3 hrs POS 2041 3 hrs
RED 4043 3 hrs RED 4043 3 hrs

Sophomore Year
Fall (15 hrs) Spring (12 hrs)
AMH 2010 3 hrs AMH 2020 3 hrs
BSC 1005 3 hrs AST 2002 3 hrs
SPC 1600 3 hrs SPN2201 or 3 hrs
SPN 2200 3 hrs SPN 3234 with 3 hrs
STA 2014C 3 hrs advisor’s consent

Summer (6 hrs)
EME 2040 3 hrs PHI 2010 3 hrs

Junior Year
Fall (15 hrs) Spring (15 hrs)
*EDF 4214 3 hrs *EDF 4233 3 hrs
*SPN 4200 3 hrs SPN 4200 3 hrs
SPN 4320 3 hrs SPN 4320 3 hrs
SPN 5700 3 hrs SPN 5700 3 hrs
SPW 3100 3 hrs SPW 3100 3 hrs
or in place of SPW 3100 and SPW 3101:
SPW 3130 3 hrs SPW 3130 3 hrs
SPW 5131 3 hrs SPW 5131 3 hrs

Summer (3 hrs)
TSL 4080 3 hrs

Senior Year
Fall (12 hrs) Spring (12 hrs)
EDF 4603 3 hrs ESE 4043 12 hrs
ESE 3940 3 hrs ESE 4043 3 hrs
SPW 3100 3 hrs SPW 3131 3 hrs
FORENSIC SCIENCE-ANALYSIS TRACK (B.S.)

College of Sciences, Department of Chemistry

CH 329, 407-823-6205
http://www.cas.ucf.edu/chemistry
E-mail: chemistry@ucf.edu

Contact: B. Fookes

Degree Requirements

1. UCF General Education Program (36+3 hrs)
   (Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36)
   A. Communication Foundations
      1. Select ENC 1101 and ENC 1102 6 hrs
      2. Prefer SPC 1016 3 hrs
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      1. Select MAC 2311 4 hrs
      2. Select STA 2023 3 hrs
   D. Social Foundations 6 hrs
      1. Select PHY 2048 & L (PR: MAC 2311) 4 hrs
      2. Select BSC 2010C 4 hrs

2. Common Program Prerequisites (16 hrs)
   BSC 2010C Biology I GEP
   CHM 2045C* Chem Fund I 4 hrs
   CHM 2046 & L Chem Fund II with Lab 4 hrs
   MAC 2311 Calculus w/ Anal Geometry I GEP
   MAC 2312 Calculus w/ Anal Geometry II 4 hrs
   PHY 2048 & L* Physics Engr. & Sci. I & Lab GEP
   PHY 2049 & L* Physics Engr. & Sci. II & Lab 4 hrs
   *See Transfer Notes for possible substitutes

3. Core Science and Math Requirements (18 hrs)
   BSC 2010C Biology I GEP
   CHM 2210 Organic Chem. I 3 hrs
   CHM 2211 & L Organic Chem II & lab 5 hrs
   CHM 3120 & L Analytical Chemistry & Lab 4 hrs
   STA 2023 Statistical Methods I GEP
   PCB 3063 Genetics 3 hrs
   PCB 3233 Immunology 3 hrs
   MAC 2311 Calculus w/ Anal Geometry I CPP
   MAC 2312 Calculus w/ Anal Geometry II CPP
   PHY 2048 & L Physics Engr. & Sci. I & Lab CPP
   PHY 2049 & L Physics Engr. & Sci. II & Lab CPP

4. Forensic Science Core (19 hrs)
   CHS 3501 Intro to Forensic Science 3 hrs
   CHS 3505C Forensic Microscopy 4 hrs
   CHS 4537 Forensic Lab Quality Assurance 2 hrs
   CHS 3595 Foren Sci in the Courtroom 3 hrs
   CHS 3533C Forensic Biochemistry I 3 hrs
   CHS 4591 Forensic Science Internship 4 hrs

5. Forensic Analysis Track (27 hrs)
   a. Required Courses (15 hrs)
      CHM 3422 Applied Physical Chemistry 3 hrs
      CHM 4310C Advanced Analytical Chemistry 4 hrs
      CHS 3511C Trace Evidence 4 hrs
      CHS 3530C Foren Anal of Controlled Subs 4 hrs
   b. Select 12 hours from the following: (12 hrs)
      ANT 4521C Forensic Anthropology 3 hrs
      BCH 4053 Biochemistry I 3 hrs
      CHM 3212L Organic Lab Techniques II 2 hrs
      CHM 4912 Undergraduate Research 3 hrs
      CHS 4506C Forensic Investigating Techniques 3 hrs
      CHS 4515C Forensic Crime Scene Investigation 4 hrs
      CHS 4547C Advanced Topics in Trace Evidence 3 hrs
      PCB 3063L Genetics Lab 1 hrs
      PCB 3233L Immunology Lab 1 hrs

Substitutions require prior approval by the department

6. Departmental Exit Requirements
   - Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
   - Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
   - Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
   - Computer Competency met by CHS 3505C and CHS 4537.
   - American Board of Criminalists (ABC) exit exam must be taken prior to graduation, or an exit exam specified by the department.
   - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF

7. Foreign Language Requirements
   Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation: none

8. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval.
   May be outside of the department.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - 25% of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 124 hrs

Related Programs: Chemistry, Forensic Biochemistry Track

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
   - CHM 2045C*: may use CHM 1040 plus CHM 1041
   - MAC 2311* & 2312*: Although MAC 2353 & 2354 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.

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same
FORENSIC SCIENCE-BIOCHEMISTRY TRACK (B.S.)

College of Sciences, Department of Chemistry
CH 223, 407-823-0163
http://www.cas.ucf.edu/chemistry/
E-mail: chemistry@ucf.edu

Contact: J. Ballantyne

Admission Requirements: 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 or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2, 3, 4, and 5 (Core science and math) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the program of study described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced without exception.
- Courses designated in 2. (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36-3 hrs)
   A. Communication Foundations

2. Common Program Prerequisites (16 hrs)
   BSC 2010C Biology I
   CHM 2045C Chemistry Fund I
   PHY 2046 & L Physics Fund I & Lab
   PHY 2048 & L Physics Fund II & Lab
   PHY 2049 & L Physics Fund III & Lab
   CHEM 2210 Organic Chem I

3. Core Science and Mathematics Requirements (20 hrs)
   BSC 2110 Organic Chem I
   CHM 2211 Organic Chem II
   STA 2023 Statistical Methods I
   PHY 2048 & L Physics Fund I & Lab
   PCB 3533 & L Immunology & Lab
   MAC 2311 Calculus w/ Anal Geometry I
   MAC 2312 Calculus w/ Anal Geometry II
   PHY 2048 & L Physics Fund II & Lab
   PHY 2049 & L Physics Fund III & Lab

4. Forensic Science Core (19 hrs)
   CHS 3505C Forensic Micro
   CHS 3503C Forensic Biochemistry
   BCH 4103L Biochemical Methods Lab
   BCH 4054 Biochemistry II
   CHS 3501 Intro to Forensic Science
   CHS 3595 For Sci in the Crt
   CHS 4534C Forensic Biochemistry II
   BCH 4053 Biochemistry I
   CHS 3505C Forensic Microscopy
   CHS 3501 Intro to Forensic Science
   CHS 3501 Intro to Forensic Science
   CHS 4591 Forensic Science Internship

5. Forensic Biochemistry Track (29 hrs)
   MCB 3020C General Microbiology
   BCH 4053 Biochemistry I
   BCH 4054 Biochemistry II
   BCH 4030L Biochemical Methods Lab
   PCB 3522 Molecular Biology I
   PCB 4524 Molecular Biology II
   BCH 3403C Quantitative Biological Methods
   CHS 4534C Forensic Biochemistry II
   CHS 4532 Interpretation of DNA Evidence

6. Departmental Exit Requirements
   - Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, 5 of the departmental degree requirements.
   - Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
   - Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
   - Computer Competency met by CHS 3505C and CHS 4537.
   - American Board of Criminalists (ABC) exit exam must be taken prior to graduation, or an exit exam specified by the department.
   - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF

7. Foreign Language Requirements (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
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
<th>124 hours</th>
</tr>
</thead>
</table>

#### Related Programs:
- Chemistry, Forensic Science Analysis Track, Molecular Biology and Microbiology

#### Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- CHM 2045C*: may use CHM 1040 plus CHM 1041
- 2254*: may use MAC 2311 & 2312
- MAC 2311 & 2312*: Although MAC 2353 & 2354 will satisfy the CPP, MAC 2311 & 2312 are required in the major and still must be taken.
- PHY 2048&Lab* and 2049&Lab*: 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.

#### 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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<td>POS 2041* req# 1D1-GEP</td>
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<tr>
<td>PCB 4524 Mol Biology II</td>
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<tr>
<td>Summer</td>
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<tr>
<td>CHS 4591 For Science Intrn</td>
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#### FRENCH (B.A.)

**College of Arts and Humanities**

**Department of Modern Languages & Literatures**

**CHS 523**, [http://www.cas.ucf.edu/forlang](http://www.cas.ucf.edu/forlang)

**E-mail**: Modernlanguages@ucf.edu

**P. Giordano**, 407-823-2472

#### Admission Requirements
- None

#### Placement in Language courses

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above
- At least six of the 36 French credits must be at the 4000 level
- At least 30 hours must be taken in Modern Language courses taught in French
- Earn at least a “C” (2.0) in each upper division French course
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

**1. UCF General Education Program** *(36 hrs)*

- A. Communication Foundations
  - 9 hrs
- B. Cultural and Historical Foundations
  - 9 hrs
- C. Mathematical Foundations
  - Select MGF 1106 Finite Mathematics
  - 3 hrs (may substitute a higher level math)
  - Prefer STA 1060C Statistics Using Excel
  - 3 hrs
- D. Social Foundations
  - 6 hrs
- E. Science Foundations
  - 6 hrs

**2. Common Program Prerequisites** *(0-14 hrs)*

- FRE 1101* Elem French Lang & Civ I
  - 4 hrs
- FRE 1111* 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 2211

**3. Core requirements** *(21 hrs)*

- FRE 3300* Advanced Grammar
  - 3 hrs
- FRE 3420* French Composition
  - 3 hrs
- FRE 4422 Advanced French Composition
  - 3 hrs
- FRE 3760* Adv French Oral Communication
  - 3 hrs
- FRE 4421 Advanced French Conversation
  - 3 hrs
- FRW 3100 Survey of French Literature I
  - 3 hrs
- FRW 3201 Survey of French Literature II
  - 3 hrs
- FRE 3780* French Phonetics and Diction
  - 3 hrs
- FOL 3730 Romance Philology
  - 3 hrs

* A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

**4. Upper Division Restricted Electives** *(15 hrs)*

- French literature beyond the survey level
  - 6 hrs
  - (taught in French)
French courses 9 hrs

5. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division French courses
- Students are required to satisfactorily complete a departmental exit exam
- Students must submit their portfolio to their French Faculty Advisor
- Computer Competency met by CGS 1060C or equivalent

6. Foreign Language Requirements (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: Spanish, Foreign Language Combination

Related Minors: French, German, Italian, Judaic Studies, Latin American and Iberian Area Studies, Spanish

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

GENERAL BUSINESS (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu
Faculty Advisor: B. Moore, BA 466, 407-823-5256, bmoore@bus.ucf.edu

Admission Requirements
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      Required: SPC 1600
      9 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      Select MAC 1105 College Algebra
      Select CGS 2100CC Computer Fundamentals for Bus
      Total: 3 hrs
   D. Social Foundations
      Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics
      Select one: PSY 2012, SYG 2000, ANT 2000
      Total: 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 2100CC Computer Fundamentals for Business

3. Required for All Business Majors (30 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester) 6 hrs
   GEB 3356 Introduction to International Business 3 hrs
   BUL 3130 Legal & Ethical Environments of Business 3 hrs
   ECO 3411 Quantitative Business Tools II 3 hrs
   FIN 3403 Business Finance 3 hrs
   MAN 3025 Management of Organizations 3 hrs
   ISM 3011 Essentials of Management Info Sys 3 hrs
   MAR 3023 Marketing 3 hrs
   Last Semester:
   MAN 4720 Strategic Management 3 hrs

4. Special college and/or department requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (15) of the 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):
Students must take one course from each of the following areas:
Accounting (must take ACG 3131), Economics (must take ECP 4703), Finance, Management, and Marketing. These five courses are restricted to the courses listed below:

   Accounting
   ACG 3131 Financial Accounting Concept
   ACG 3361 Intermediate Managerial Accounting
   TAX 4001 Federal Income Tax I

   Economics
   ECO 3223 Money and Banking
   ECO 3233 Contemporary Labor Economics
   ECP 4703 Managerial Economics

   Finance
   FIN 3303 Financial Markets
   FIN 3414 Intermediate Corporate Finance
   FIN 3504 Investment Analysis

   Management
   MAN 3301 Management of Human Resources
   MAN 4240 Organizations: Theory and Behavior

   Marketing
   MAR 3615 Marketing Research & Analysis
   MAR 3403 Sales Force Management
   MAR 4031 Service Marketing
   MAR 4156 International Marketing

6. Restricted Electives (four courses) (12 hrs)
Restricted electives are to be taken from three different departments and from the courses listed above, at least two of the restricted electives must be at the 4000 level.

7. Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the first major.

8. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
UConn Degree Programs

Graduation: none

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives*** (variable)
Total Semester Hours Required 120 hours
***General electives as required to reach 120 semester hours.

GENERAL BUSINESS (B.S.B.A.)
AS to BS TRACK
Note: For detailed information about this program, see the AS to BS Program section.

HEALTH INFORMATION MANAGEMENT (B.S.)
College of Health and Public Affairs
HPA2 210, 407-823-2369
Undergraduate Program Director: Thomas Falen
E-mail: tafen@mail.ucf.edu
Web Address: http://www.cohepa.ucf.edu/health.pro/

Admission Requirements
Limited Access
Acceptance to the university does not necessarily constitute admission to the upper division health information management program.

Separate Application to the limited access program must be made directly to the program prior to March 1 of the year admission is sought.
UCF application also must be submitted by the program deadline of March 1st. Acceptance to UCF is necessary before acceptance to the program can occur.
This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of 'C' (2.0)

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog
Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System.
Students should consult with a departmental advisor.
The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.

A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Information Program.

UCF Residency Requirement: 31 hours
The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
A. Communication Foundations 9 hrs
B. Cultural Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
Select MAC 1105
Select STA 2014C
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs
Select BSC 2010C
Select CHM 1032

2. Common Program Prerequisites (17 hrs)
ZOOG 3733C Human Anatomy* 4 hrs
PCB 3703C Human Physiology* 4 hrs
STA 2014C Statistics GEP
CGO 2100C Computer Science for Business* 3 hrs
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
* see transfer notes

3. Core Requirements (68 hrs)
HSC 3157 Introduction to Pharmacology 3 hrs
HSA 3170 Health Care Finance 3 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSA 4191 Health Care Automation 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 3531 Medical Terminology 3 hrs
HSC 3640 Health Law 3 hrs
HSC 4550 Pathophysiology 3 hrs
MAN 3025 Management of Organizations or
HSA 4180 Organization/Management for Health Agencies 3 hrs
HIM 3006 Foundations of Health Information Management 3 hrs
HIM 3116C Health Record Organization & Management 4 hrs
HIM 3800L Professional Practice Exp. I 4 hrs
HIM 3816L Professional Practice Exp. II 4 hrs
HIM 4226C Coding Procedures I 5 hrs
HIM 4256C Coding Procedures II 3 hrs
HIM 4676 Professional Development Issues in Health Information Management 3 hrs
HIM 4344C Health Information Department Management 4 hrs
HIM 4506 Quality Management 3 hrs
HIM 4638 Management Affiliation 5 hrs
HIM 4656C Health Information Management Systems 3 hrs

4. Upper Division Restricted Electives none

5. Departmental Exit Requirements (120 hrs)
A minimum 2.5 overall GPA is required for graduation.
Upon completion of the approved program, the student is eligible to submit an application for writing the national certification examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

6. Electives none

7. Foreign Language Requirements (0-8 hrs)
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. University Minimum Exit Requirements (120 hrs)
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP 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
- Complete the General Education Program, the Gordon Rule, the
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
  Statistics (STA 2014C or any other statistics course) 3
  Computer Science for Business (CGS 1060C or any other computer science course) 3

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Tentative Course Schedule for Entering Freshmen
Freshman Year*

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<td>or ANT 2000</td>
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<td>POS 2041 or ECO 2013</td>
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*Plan your required nine summer hours into your course of study

Sophomore Year

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<td>PCB 3703C</td>
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<td>SPC 1600</td>
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<td>or AMH 2020</td>
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Junior Year

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<td>HSC 3157</td>
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<td>HSC 3931**</td>
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Summer

| HSA 4109 | 3 |
| HSC 3640** | 3 |

Senior Year

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Summer

| HIM 4838 | 5 |

**NOTE: The asterisked courses may be taken at any time during the two years. The HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

HEALTH SCIENCES - ATHLETIC TRACK (B.S.)
College of Health and Public Affairs
HPA2 210, 407-823-3463
http://www.cohpa.ucf.edu/health.pro/athletic
E-mail: kschell@mail.ucf.edu
Undergraduate Program Director: Kristen C. Schellhase, MEd, ATC, CSCS

Admission Requirements
Students may only begin the athletic training program track in the Summer semester and must have:
A. Acceptance to the University as an undergraduate student in Health Sciences - Athletic Training Pending.
B. A minimum of 2.75 overall grade point average.

C. Completion of an AA degree from a Florida Community College; or completion of UCF’s General Education Program.
D. This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
E. Consent of Program Director.
F. A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to Program application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

Technical Standards Requirement
The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education (CAATE)). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the technical standards does not guarantee a student’s eligibility for the BOC examination.

Candidates for selection to the Program in Athletic Training must demonstrate:
- The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
- Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients;
- The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
- The ability to record the physical examination results and a treatment plan clearly and accurately;
- The capacity to maintain composure and continue to function well during periods of high stress;
- The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
- Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations;
- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or that they believe that, with certain accommodations, they can meet the standards. University of Central Florida will evaluate a student who states he/she could meet the program’s technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internships deemed essential to graduation. Each candidate must...
UCF Degree Programs

provide a copy of a recent physical examination that will be evaluated by the program’s medical director.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Admission Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- UCF Residency Requirement: 30 hours.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural Historical Foundations 9 hrs
   - C. Mathematical Foundations 6 hrs
     Select MAC 1105
     STA 2023
   - D. Social Foundations 6 hrs
     Select POS 2041
     Select PSY 2012
   - E. Scientific Foundations 6 hrs
     BSC 2010C
     CHM 1032

2. Common Course Prerequisites (15 hrs)
   The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of "C" (2.0) or better.
   
   BSC 2010C Biology I and Lab
   ZOO 3733C Human Anatomy
   PCB 3703C Human Physiology
   CHM 2045C Chemistry Fundamentals I
   PHY 2053C Coll Physics I (algebra based) or PHY 2048SL
   HUN 2002 Modern Concepts of Nutrition
   STA 2023 Statistical Methods I
   PSY 2012 General Psychology

3. Professional Phase (58 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.
   
   PET 4603 Introduction to Athletic Training
   PET 3620C Principles of Athletic Training
   PET 3670C Practicum in Athletic Training I
   PET 4351C App Exercise and Human Phys
   PET 3623C Recognition and Evaluation of Athletic Injuries I
   PET 3671C Practicum in Athletic Training II
   PET 4660C Org and Adm in Athletic Training
   PET 4630C Ther Exercise in Athletic Training
   PET 4632C Ther Mod in Athletic Training
   PET 4624C Recognition and Evaluation of Athletic Injuries II
   PET 4315C Biomechanics of Sport
   PET 4672C Practicum in Athletic Training III
   HSA 4702 Health Science Research
   PET 4606 App Fitness in Sport
   PET 4673C Practicum in Athletic Training IV
   HSC 3157 Introduction to Pharmacology
   PET 4604 Sports Medicine in Field Application
   PET 4674 Senior Seminar

4. Upper Division Restricted Electives none

5. Departmental Exit Requirements (120 hrs)
   Two years of successful clinical rotation under the direct supervision of a certified Athletic Trainer (ATC).

6. Electives (variable)

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

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: Aging Studies Certificate, Business, Public Administration

Related Minors: Business, Computer Sciences, Aging Studies, Biology, Coaching, Fitness Training, Health Information Management, Health Sciences, Health Services Administration and Public Administration. Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

Transfer Notes:

Biology I with Lab (BSC 1010/L) 4 hrs
Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086) 8 hrs

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Tentative Course Schedule for Entering Freshmen

### Freshman Year*

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>14 hrs</th>
</tr>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
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<tr>
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<td>POS 2041</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2000</td>
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<td>4</td>
</tr>
<tr>
<td>CHM 2045C</td>
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</table>

### Sophomore Year

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<th>Fall</th>
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<th>16 hrs</th>
</tr>
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<tr>
<td>PET 4603</td>
<td>3</td>
<td>PET 3620C</td>
<td>3</td>
</tr>
<tr>
<td>PET 4672C</td>
<td>4</td>
<td>(Foreign Lang I)</td>
<td>4</td>
</tr>
<tr>
<td>PET 4674</td>
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<td>(Foreign Lang II)</td>
<td>4</td>
</tr>
<tr>
<td>HSA 4702</td>
<td>3</td>
<td>HUN 2002</td>
<td>3</td>
</tr>
<tr>
<td>PET 4606</td>
<td>3</td>
<td>PCB 3703C</td>
<td>4</td>
</tr>
<tr>
<td>PET 4673C</td>
<td>4</td>
<td>SPC 1600</td>
<td>3</td>
</tr>
<tr>
<td>PET 4674</td>
<td>1</td>
<td>EUH 2001 or HUM 2230</td>
<td>3</td>
</tr>
<tr>
<td>PET 4674</td>
<td>1</td>
<td>or AMH 2010 or WOH 2012</td>
<td>3</td>
</tr>
<tr>
<td>PET 4674</td>
<td>1</td>
<td>or AMH 2020 or WOH 2022</td>
<td>3</td>
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### Junior Year

<table>
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<tr>
<td>PET 3670C</td>
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<td>HSC 3157</td>
<td>3</td>
</tr>
<tr>
<td>PET 4351C</td>
<td>3</td>
<td>PET 4624C</td>
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<tr>
<td>PET 3672C</td>
<td>3</td>
<td>PET 3671C</td>
<td>4</td>
</tr>
<tr>
<td>PET 3781C</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>PET 4624C</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
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### Senior Year

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<th>Fall</th>
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<tr>
<td>PET 4660C</td>
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<td>PET 4351C</td>
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<td>PET 4606</td>
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<td>PET 4674</td>
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<td>PET 4673C</td>
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<td>3</td>
</tr>
<tr>
<td>Elective</td>
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HEALTH SCIENCES - Pre-Clinical Allied Health Track (B.S.)
College of Health and Public Affairs
HPA 210, 407-823-2369
http://www.cohea.ucf.edu/healthpro/

The Health Sciences-Pre-Clinical Allied Health Track is a Preparatory Program for Graduate Level Clinical Disciplines for the student who wishes to seek admission to graduate level clinical programs such as physical therapy, occupational therapy and physician assistant programs. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health or Health Services Administration.

Admission Requirements: none

Degree Requirements
- Students should complete the General Education Program and the Common Program Prerequisites requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn at least a "C" (2.0) in each course accepted as a Common Program Prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a "C."
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses in math, biology, chemistry and physics listed are the minimum levels. Students with adequate preparation are encouraged to enroll in higher course levels in the discipline.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
   - Select MUL 2010 Enjoyment of Music or REL 2300 World Religions or THE 2000 Theater Survey or PHI 2010 Intro to Philosophy
   - 9 hrs
   B. Cultural Historical Foundations
   - Select MAC 1114 Trigonometry or STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
   - 6 hrs
   C. Mathematical Foundations
   - Select STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
   - 6 hrs
   D. Social Foundations
   - Select ECO 2013 Principles of Economics I or ECO 2023 Principles of Economics II
   - 6 hrs
   E. Science Foundations
   - Select BSC 2010C Biology I or Phy 2053C College Physics I and Lab
   - 6 hrs
   F. Physical Education
   - Select one course
   - 3 hrs

2. Common Program Prerequisites (0 hrs)
   - MAC 1114 Trigonometry or STA 2014C Principles of Statistics or STA 2023 Statistical Method I
   - 6 hrs
   - BSC 2010C Biology I or MAC 1114 Trigonometry
   - 6 hrs

3. Core Requirements - Lower Division (30 hrs)
   - CGS 1060C Intro to Computer Science or
   - CGS 2100C Computer Fundamentals for Business
   - 3 hrs
   - CHM 2045C Chemistry Fundamentals I with lab
   - 4 hrs
   - CHM 2046 Chemistry Fundamentals II
   - 3 hrs
   - CHM 2046L Chemistry Fundamentals II lab
   - 1 hr
   - CHM 2205 Introduction to Organic and Biochemistry
   - 3 hrs
   - DEP 2004 Developmental Psychology
   - 3 hrs
   - ECO 2023 Microeconomics
   - 3 hrs
   - HSC 2000 Intro to the Allied Health Professions
   - 2 hrs
   - HLU 2002 Modern Concepts in Nutrition
   - 3 hrs
   - MAC 1114 College Trigonometry
   - 3 hrs
   - MCB 2004 Microbiology for Health Professionals
   - 4 hrs
   - PHY 2053C College Physics I (not for Sci and Eng)
   - 4 hrs
   - PHY 2054C College Physics II (not for Sci and Eng)
   - 4 hrs

4. Core Requirements - Upper Division (41 hrs)
   A. Basic and Health Sciences
   - HSC 2157 Introduction to Pharmacology
   - 3 hrs
   - HSC 2450 Pathophysiology
   - 3 hrs
   - ZOO 3703 Physiology
   - 4 hrs
   - ZOO 3733 Anatomy
   - 4 hrs
   B. Health Services
   - HSA 3111 US Healthcare Systems
   - 3 hrs
   - HSA 4201 Community Health Services
   - 3 hrs
   - HSA 4180 Org & Mgt of Health Agencies
   - 3 hrs
   - HSA 3430 Health Care Economics
   - 3 hrs
   - HSC 3640 Health Law
   - 3 hrs
   - HSC 4500 Epidemiology
   - 3 hrs
   - HSC 4653 Healthcare Ethics
   - 3 hrs
   - HSA 4702 Health Sciences Research Methods
   - 3 hrs
   - HIM 4506 Quality Management
   - 3 hrs

5. Upper Division Restricted Electives:
   Choose a minimum of 3 courses from the list below
   - HSA 3170 Health Care Finance
   - 3 hrs
   - HSA 3222 Long Term Care Administration
   - 3 hrs
   - HSA 4109 Managed Care
   - 3 hrs
   - HSA 4191 Health Care Automation
   - 3 hrs
   - HSC 3101C Medical Self Assessment
   - 3 hrs
   - HSC 3531 Medical Terminology
   - 3 hrs
   - HSC 4243 Analysis of Instruction
   - 3 hrs
   - HSC 4564 Healthcare Needs of the Elderly
   - 3 hrs
   - HSC 3593 HIV Disease
   - 3 hrs
   - HSC 4008 Professional Development of the Health Prof'ns
   - 3 hrs
   - PHT 4119C Clinical Gross Anatomy
   - 4 hrs

6. Unrestricted Electives (variable)

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: None

8. Program Exit Requirements (120 hrs)
   - The students must attain a minimum grade of "C" (2.0) in all Common Program Prerequisite courses and in all Core Requirements (see sections 2, 3 and 4 above). An overall 2.0 GPA must be attained for all coursework (see sections 1 - 5).
   - Students should note that graduate programs may require a higher level of performance for admission.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: The participating student may also consider applying for consideration to one or more of the following undergraduate professional degree options: Health Information Management, Athletic Training, Cardiopulmonary Sciences, Radiologic Sciences, Health Services Administration. The program is a Preparatory Program for Graduate Level Clinical Disciplines for the student who wishes to seek admission to graduate level clinical programs such as physical therapy, occupational therapy and physician assistant programs. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health or Health Services Administration.

Related Minors: Health Information Management, Health Services Administration.
UCF Degree Programs

Transfer Notes: Completion of the 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.

Tentative Course Schedule for Entering Freshmen

**Freshman Year**

<table>
<thead>
<tr>
<th>Term</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Fall          | ENC 1101 3<br>CIS 1060C or CIS 2100C 3<br>ENG 1102 3<br>PHY 2053C 4<br>HUN 2002 3<br>SPC 1500 3<br>EUH 2000 or HUM 2000 3<br>2111 or AMH 2010 3<br>STA 2104C 3 or STA 2023 3 | 14.5 hrs  
| Spring        | ENC 1102 3<br>CHM 2046 & 2046L 4<br>ENC 1102 3<br>ECO 2023 3<br>PSY 2012 3<br>HSC 2000 2 | 15 hrs  

**Sophomore Year**

<table>
<thead>
<tr>
<th>Term</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Fall          | PHY 2053C 4<br>HUN 2002 3<br>SPC 1500 3<br>EUH 2000 or HUM 2000 3<br>2111 or AMH 2010 3<br>STA 2104C 3 or STA 2023 3 | 15/17 hrs  
| Spring        | MUL 2010 or REL 2300 3 or THE 2000 or PHI 2010 4 | 15/16 hrs  

**Summer**

- Foreign Lang I* or other lower level courses 2/4
- Foreign Lang II* or other lower level courses 3/4
  * if not satisfied in high school.

**Junior Year**

<table>
<thead>
<tr>
<th>Term</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Fall          | DEP 2004 3<br>HSA 3111 3<br>PHY 2054C 4<br>ZOO 3733 4 | 14 hrs  
| Spring        | HSA 4180 3<br>HSC 3640 3<br>HSA 4201 3<br>HSC 3157 3<br>ZOO 3703 4 | 16 hrs  

**Senior Year**

<table>
<thead>
<tr>
<th>Term</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Fall          | HSA 4702 3<br>HSA 3430 3<br>HSC 4550 3<br>HSA 4109 3 | 15 hrs  
| Spring        | HSC 4653 3<br>HSC 4500 3<br>HIM 4506 3 | 15 hrs  

**Senior Year (if needed)**

<table>
<thead>
<tr>
<th>Term</th>
<th>Courses</th>
</tr>
</thead>
</table>
| Fall          | Elective (if needed) 3<br>HIM 4506 3 | 3 hrs  

**HEALTH SERVICES ADMINISTRATION (B.S)**

College of Health and Public Affairs

HPA2 210, 407-823-2359


Executive Director of HSA Programs: Myron Fottler  
Undergraduate Program Director: Thomas Falen  
Graduate Program Director: Dawn Oetjen  

This program is also currently available online. Students who choose to take online courses are urged to complete either CGS 2100CC or CGS 1060C prior to enrolling in online-based courses. Students must complete all University-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see [http://distrib.ucf.edu/home](http://distrib.ucf.edu/home).

Admission Requirements

- A maximum of 45 hours of extension, correspondence, CLEP.

**1. UCF General Education Program** (36 hrs)

- A. Communication Foundations 9 hrs
  - Prefer SPC 1600
- B. Cultural Historical Foundations 9 hrs
- C. Mathematical Foundations 6 hrs
  - Select MAC 1105
  - Select STA 2014C or 2023
- D. Social Foundations 6 hrs
  - Select ECO 2023
- E. Science Foundations 6 hrs

**2. Common Program Prerequisites** (9 hrs)

- CGS 2100CC Computer Fund for Business Applications or CGS1060C Intro to Computer Science 3 hrs
- ECO 2023 Microeconomics GEP 3 hrs
- ACG 2021 Financial Accounting 3 hrs
- ACG 2071 Managerial Accounting 3 hrs
- STA 2014C or Statistical Methods 3 hrs


**3. Core Requirements** (45 hrs)

- HSA 3111 U.S. Health Care Systems 3 hrs
- HSA 3170 Health Care Finance 3 hrs
- HSA 3222 Long Term Care Administration 3 hrs
- HSA 4109 Principles of Managed Care 3 hrs
- HSA 4201 Community Health Services 3 hrs
- HSA 4180 Organization and Management for Health Agencies 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSA 4502 Risk Management or 3 hrs
- HIM 4506 Quality Management 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs
- HSC 3531 Medical Terminology 3 hrs
- HSC 3640 Health Law 3 hrs
- HSC 4500 Epidemiology 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- HSC 4653 Health Care Ethics 3 hrs
- HSA 3430 Health Care Economics 3 hrs

Students must earn a “C” (2.0) or better in each Core Requirement course.

**4. Upper Division Restricted Electives** none

**5. Program Exit Requirements** (120 hrs)

Students must earn a “C” (2.0) or better in each Health Services Administration elective course.

**6. Electives** (variable)

Students are encouraged to take additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Sciences, Aging Studies, Public Administration, Criminal Justice, and Business. HSA elective courses include:

- HSA 4941 Health Administration
- HIM 4565C Health Information Management Systems
- HSA Internship
- HSA 4941 Health Administration
- HSA 4941 Health Administration

**7. Foreign Language Requirements** (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

**8. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
### UCF Degree Programs

**HISTORY (B.A.)**

**College of Arts and Humanities**

**History Department, CNH 551, http://pegasus.cc.ucf.edu/~history**

**E-mail:** history@ucf.edu

E. Kallina, 407-823-2224

**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.

**Total Semester Hours Required**

- 120 hrs

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**Tentative Course Schedule for Entering Freshmen**

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
<td>3</td>
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<tr>
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<tr>
<td>or ANT 2000</td>
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<td>PSC 1211 or CHM 1020</td>
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</tr>
<tr>
<td>HSC 2000</td>
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<td>MUL 2010 or THE 2000</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>3</td>
<td>or REL 2300 or PHI 2010</td>
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</tr>
<tr>
<td>Elective</td>
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**Sophomore Year**

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<td>ECO 2023</td>
<td>3</td>
<td>STA 2023</td>
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</tr>
<tr>
<td>BSC 1005</td>
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<td>HSA 3111</td>
<td>3</td>
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<tr>
<td>EUH 2000 or HUM 2210</td>
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<td>EUH 2001 or HUM 2230</td>
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<tr>
<td>or AMH 2010 or WOH 2012</td>
<td>3</td>
<td>or AMH 2020 or WOH2022</td>
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<tr>
<td>CGS 2100CC</td>
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**Summer**

<table>
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<tr>
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<tbody>
<tr>
<td>Foreign Language I</td>
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<td>Foreign Language II</td>
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*If not satisfied in high school*

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**Junior Year**

<table>
<thead>
<tr>
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<td>HSA 3170</td>
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<td>HSC 2931</td>
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<td>HSA 4180</td>
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**Senior Year**

<table>
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<td>HSC 4564</td>
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<td>HSA 4702</td>
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<tr>
<td>Elective</td>
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</tbody>
</table>

**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 HSA majors. An internship is not required but highly recommended.

---

**Total Semester Hours Required**

- 120 hrs

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**UCF General Education Program**

- **(36 hrs)**
  - **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
  - **C. Mathematical Foundations**
    - Prefer MGF 1106 Finite Mathematics
    - (may substitute a higher level math)
    - Prefer CGS 1060C Intro to Computer Sci
  - **D. Social Foundations**
    - 6 hrs
  - **E. Science Foundations**
    - 6 hrs

**2. Common Program Prerequisites**

- **(0 hrs)**
  - AMH 2010* US History: 1492-1877
  - AMH 2020* US History: 1877-Present
  - *See Transfer Notes for possible substitutes

**3. Core Requirements**

- **(9 hrs)**
  - HRS 4150 History & Historians
  - Select one sequence
    - EUH 2000, 2001 Western Civilization I & II
    - WOH 2012, 2022 World Civilization I & II
  - 6 hrs

**4. Upper Division Restricted Electives**

- **(21 hrs)**
  - (Must be taken within the History Department)
  - Select six hours of approved history courses within three of the four geographic regions.
    - 18 hrs
    - 1) Asian, African, and Middle Eastern
    - 2) British and European
    - 3) Latin American
    - 4) U.S. and Canadian
  - Select three hours of approved history courses
    - 3 hrs

**5. Departmental Exit Requirements**

- Maintain a minimum GPA of 2.0 in upper division required courses attempted
- Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Computer Competency met by completion of the major
- Students must complete at least 18 of the required 36 History hours at UCF

**6. Foreign Language Requirements**

- **(8 hrs)**
  - Admission: Met by graduation requirement
  - Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

**7. Electives**

- **(variable)**
  - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

---

**8. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in 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
## UCF Degree Programs

### Related Programs:
- Humanities
- Related Minors: African-American Studies, American Studies, Asian Studies, Humanities, Judaic Studies, Latin American Area Studies

### Transfer Notes:
- Grades below “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes
For common program prerequisites if taken prior to transferring to UCF:
- AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. However AMH 2010 and 2020 are prerequisites for all subsequent American History courses and will need to be taken for the major.

### Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year
- **Fall**
  - AMH 2010 U S His 1492 1877 3
  - BSC 1005* req# 1E2-GEP
  - ENC 1101 Composition I 3
  - POS 2041* req# 1D1-GEP
  - SPC 1600* req# 1A3-GEP

- **Spring**
  - AMH 2020 U S His 1877 Pres 3
  - AST 2002* req# 1E1-GEP 3
  - ENG 1102 Composition II 3
  - MGF 1106* req# 1C1-GEP 3
  - SYG 2000* req# 1D2-GEP 3

### Sophomore Year
- **Fall**
  - ARH 2050* req# 1B3-GEP 3
  - CGS 1060 Intro to Comp Sci 3
  - EUH 2000* req# 3-Core 3
  - Elective* Check restrictions 3
  - SNR 1120* req# Lang/Elect 4

- **Spring**
  - AMH 2010* req# 3-Core 3
  - EUH 2001* req# 3-Core 3
  - Elective* Check restrictions 3
  - SPN 1121* req# Lang/Elect 4

### Junior Year
- **Fall**
  - HIS 4150 History & Histms 3
  - ASH 3222* req# 1-ResEle 3
  - EUH 3270* req# 3-Core 3
  - Elective* Check restrictions 3

- **Spring**
  - ASH 3223* req# 4.1-ResEle 3
  - EUH 3651* req# 4.2-ResEle 3
  - Elective* Check restrictions 3

### Senior Year
- **Fall**
  - LAL 3160* req# 4.3-ResEle 3
  - AMH 3571* req# 4.4-ResEle 3
  - Elective* Check restrictions 3

- **Spring**
  - AMH 3423* req# 4.4-ResEle 3
  - Elective* Check restrictions 3

### History Accelerated Program (B.A. and M.A.)
Accelerated Undergraduate/Graduate Program
Note: For detailed information about this program, see description in the "Accelerated Undergraduate/Graduate Program" section of this Undergraduate Catalog.

### Hospitality Management (B.S.)
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

### Degree Requirements
1. **UCF General Education Program** *(36 hrs)*
   - A. Communication Foundations
   - B. Cultural and Historical Foundations
   - C. Mathematical Foundations
     - Select MAC 1105 College Algebra 3 hrs

2. **Common Program Prerequisites** *(3 hrs)*
   - HFT 1000 Introduction to Hospitality/Tourism

3. **Hospitality Management Core** *(52 hrs)*
   - **A. Quantitative Tools**
     - Select ECO 2013 Microeconomics or
     - ECO 2023 Macroeconomics
     - MGF 1106 College Algebra
   - **B. Fundamentals**
     - FSS 2221C Quantity Food Preparation 3 hrs
     - HFT 3540 Guest Services Management 3 hrs
   - **C. Managerial Tools**
     - Select one: HFT 2403 Hospitality Financial Accounting 3 hrs
     - HFT 2420 Hospitality Marketing Management 3 hrs
     - HFT 2421 Hospitality Industry Finance 3 hrs
   - **D. Sectoral Studies** – Choose 5 of the following 6 courses *(15 hrs)*
     - HFT 2854 Lodging Operations 3 hrs
     - HFT 3700 Tourism Management 3 hrs
     - HFT 3750 The Event Industry 3 hrs
     - HFT 3261 Restaurant Management 3 hrs
     - HFT 3753 Principles of Resort Time Sharing 3 hrs
     - HFT 4755 Theme Park and Attraction Mgmt 3 hrs
   - **E. Internships** *(3 hrs)*
     - HFT 3940 Internship I 1 hr
     - HFT 4941 Internship II 1 hr
     - HFT 4941 Internship III 1 hr
   - **F. Guest Lectures** *(1 hr)*
     - HFT 3933 Distinguished Lectures in Hospitality Management 1 hr

4. **Special College Requirements:**
   - Final exams will be given during Final Exam Week only.
   - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

5. **Restricted Electives:**
Students must take 15 credit hours of Hospitality Management courses from the following list for the Generalist track. Alternatively, students may choose one of the seven specialized career tracks as outlined below.

### A. Generalist Track** *(15 hrs)*
Choose five advanced courses from the following list:
- HFT 3313 Hospitality Physical Plant Management 3 hrs
- HFT 4343 Hospitality Facilities Planning & Design 3 hrs
- HFT 4298 Hospitality Business Consulting 3 hrs
- HFT 4473 Hotel Development Analysis 3 hrs
- HFT 3785 Management of Gaming Enterprises 3 hrs
- HFT 3807 Multi-Unit Food Service Organizations 3 hrs
- HFT 4831C Beverage Management 3 hrs
- FSS 3124 Supply and Procurement Management 3 hrs
- FSS 4135 Corporate Contract & Managed Services Orgs 3 hrs
- FSS 3232C Intermediate Techniques of Food Production 3 hrs
- FSS 3286C Catering and Catered Food Operations 3 hrs
- HFT 4753 Convention & Conference Services 3 hrs
- HFT 4754 Exhibit & Trade Show Operations 3 hrs
- HFT 4735 Tourism Geography 3 hrs
- HFT 4722 Travel Agency Management 3 hrs
- HFT 4762 Current Practices in the Airline Industry 3 hrs
- HFT 4275 Development of Vacation Ownership Resorts 3 hrs
- HFT 3741 Meeting Management 3 hrs
- HFT 3757 Event Management 3 hrs
- HFT 4266 Restaurant Brand Management 3 hrs
- HFT 4268 Case Studies in Restaurant Management 3 hrs
- HFT 4844 Sanitation Mgt in Foodservice Industry 3 hrs
- HFT 4274 Vacation Ownership Resort Management 3 hrs
HFT 4522 Vacation Ownership Resort Sales Tactics and Strategies 3 hrs
HFT 4442 Vacation Ownership Resort Reservations/Data Base Systems 3 hrs
HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry 3 hrs
HFT 4372 Hotel Operations 3 hrs
FSS 3008 Culture and Cuisine 3 hrs
HFT 3784 Amusement Technology 3 hrs
HFT 3802 Catering Management 3 hrs
HFT 3770 Cruise Line Operations and Management 3 hrs
HFT 3574 Food Service Marketing Advertising and Promotion Management 3 hrs
HFT 3654 Franchising in the Restaurant Management 3 hrs
HFT 3610 Law and Restaurant Management 3 hrs
HFT 3574 Multi Media Applications in Exhibitions 3 hrs
HFT 3834 Topics in Restaurant and Foodservice Mgt 3 hrs
HFT 4375 Advanced Trade Show Management 3 hrs
HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs
HFT 4425 Financial Analysis for Restaurant Managers 3 hrs
HFT 4786 Managing the Guest Experience in Theme Park and Attractions Industry 3 hrs
HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
HFT 4645 Restaurant Real Estate, Site Selection and Modeling 3 hrs
HFT 4277 Yacht, Country, and Club Management 3 hrs
HFT 3285 International Restaurant Corporate Mgt 3 hrs
HFT 3511 Convention and Conference Sales 3 hrs
HFT 3515 Reservations Sales & Marketing 3 hrs
HFT 2848 Training and Performance in the Food Svc Ind 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 3889 History of Wine and Culture 3 hrs
HFT 4894 International Gastronomy 3 hrs
HFT 3512 Event Promotion 3 hrs
HFT 3670 Hospitality and Event Risk Management 3 hrs
HFT 3785 Management of Gaming Enterprises 3 hrs
HFT 3792 Event Design and Production 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4255 Advanced Hotel Development 3 hrs
HFT 4286 Hospitality Business Consulting 3 hrs
HFT 4561 Destination Marketing 3 hrs
HFT 4791 Event Management II 3 hrs
HFT 4796 International Events 3 hrs
HFT 4865 Advanced Wine Management 3 hrs

B. Event Management Track – Choose 5 Courses (15 hrs)
HFT 4753 Convention and Conferences Services 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
HFT 3802 Catering Management 3 hrs
HFT 3741 Meeting Management 3 hrs
HFT 3757 Event Management 3 hrs
HFT 3511 Convention and Conference Sales 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4375 Advanced Trade Show Management 3 hrs

C. Vacation Ownership Resort Management Track (15 hrs)
HFT 4275 Development of Vacation Ownership Resorts 3 hrs
HFT 4274 Vacation Ownership Resort Management 3 hrs
HFT 4522 Vacation Ownership Resort Sales Tactics and Strategies 3 hrs
HFT 4442 Vacation Ownership Resort Reservations/Data Base Systems 3 hrs
HFT 4343 Hospitality Facilities Planning & Design 3 hrs

D. Theme Park and Attraction Mgmt Track – Choose 5 Courses (15 hrs)
HFT 4786 Managing the Guest Experience in Theme Parks and Attractions 3 hrs
HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry 3 hrs
HFT 4532 Managing the Employee Experience in Theme Parks and Attractions Industry 3 hrs
HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs
HFT 1000 3  HFT 2500 Hospitality Marketing 3
PSY 2012, SYG 2000 or 3  MAC1105 College Algebra 3
ANT 2000 3

Sophomore
Fall 15 hrs
ECC 4203 or ECC 4223 3  CultHist Foundation 3
Science Foundation I 3  Science Foundation II 3
Unrestricted Elective 3  HFT 2403 Hosp Fin Acct 3
HFT 344 Hosp Info Sys 3  HFT 2220 Hosp Hum Res 3
Sectoral Study Course 3  FSS 221C Quant Food Prep 3

Junior
Fall 14 hrs
HFT 3540 Guest Svcs Mgmt 3  Sectoral Study Course 3
HFT 3600 Legal Environ 3  Sectoral Study Course 3
HFT 3431 Hosp Mgr Acct 3  Hospitality Elective 3
Hospitality Elective 3  Hospitality Elective 3
HFT 3940 Internship I 1  HFT 3942 Internship II 1
HFT 3933 Dist Lect in Hosp 1  Sectoral Study Course 3

Senior
Fall 15 hrs
HFT 4941 Internship III 1  HFT 4295 Strat Mgt in Hosp 3
HFT 4286 Hospitality Communications 3  Hospitality Elective 3
Hospitality Elective 3  Hospitality Elective 3
Unrestricted Electives 8  Unrestricted Electives 3

HOSPITALITY MANAGEMENT (B.S.)
A.S. to B.S. Track
Note: For detailed information about this program, see description in the AS to BS Programs section.

HUMANITIES (B.A.)
College of Arts and Humanities
Philosophy Department, CNH 411,
http://www.cas.ucf.edu/philosophy/
E-mail: philosophy@ucf.edu
Bruce Janz, 407-823-2273; Fax: 407-823-6658

Admission Requirements none

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
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
      Prefer PHI 2010 Intro to Philosophy or REL 2300 World Religions 3 hrs
   C. Mathematical Foundations
      Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
      Prefer STA 106C Statistica 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 3 hrs
   HUM 2230 Humanistic Traditions II GEP
   HUM 2020 Encountering the Humanities 3 hrs
   HUM 4953 Humanities Senior Research Seminar 3 hrs

4. Concentrations (choose one) (23 hrs)
   Note: Appropriate new, or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

A. Classical Humanities
   1. Foundations
      HUM 4301 The Classical Ideal (9 hrs)
      Select two courses
      HUM 3431 Ancient Humanities 3 hrs
      HUM 3435 Medieval Humanities 3 hrs
      HUM 3526 Modern Humanities 3 hrs
   2. Western Traditions and Applications
      ARH 4310 Italian Renaissance Art (9 hrs)
      ARH 4170 Greek and Roman Art
      HUM 3552 Christian Thought
      HUM 3553 Moses, Jesus, & Mohammed
      CLA 3850 Classical Mythology
      CLA 3851 Comparative Mythology
      JST 3401 The Jewish People I
      REL 3432 Roots of Western Mysticism
      Only one of the following may be taken
      PHH 3300 Ancient Philosophy
      PHH 3400 Medieval Philosophy
      PHH 3460 Modern Western Philosophy

B. Multicultural Humanities
   1. Foundations
      Select one
      HUM 3230 Contemporary Multicultural Studies 3 hrs
   2. Traditions and Applications
      Select one
      ANT 3245 Native American Religions 3 hrs
      HUM 3401 Asian Humanities
      HUM 3417 Hindu Thought and Culture
      HUM 3419 Islamic Thought and Culture
      HUM 3XXX Latin American Humanities
      HUM 4303 The Spiritual Ideal
      HUM 4554 Religious Quest and the Human Dilemma
      PHI 3XXX African Philosophy

C. Critical Humanities
   1. Foundations
      Select one
      HUM 3255 Modern Humanities 3 hrs
      HUM 3252 Contemporary Humanities
      PHI 4804 Critical Theory

   2. Traditions and Applications
      Select one
      HUM 4330 Performance Theory
      HUM 4554 Religious Quest and the Human Dilemma
      HUM 3930 Representations of Place and Space
      PHH 3510 Marx and Nietzsche
      PHH 3600 Contemporary Philosophy
      PHH 3681 Ethical Issues in the 21st Century
      PHI 4231 Philosophy of Embodiment: Mind/Body/Self
      PHI 3033 Philosophy, Religion, and the Environment
      PHI 3022 Sexuality, Gender, and Philosophy
      PHI 3803 Philosophy and Creativity
      PHM 3123 Feminist Theory
      PHH 3786 Existentialism
      PHH 3783 Modernity as a Philosophical Problem
      PHH 4762 Phenomenology
      REL 3111 Religion and Philosophy through Film
      REL 3115 Religion, Spirituality, and Popular Music
      REL 3162 Healing: Culture, Art, and Praxis
      HUM 3800 Research Methods in Humanities

5. Upper division Restricted Electives (3 hrs)
   Select one course from the “Traditions and Applications” category in the concentrations that are not being used to satisfy Core Requirements, or from the following:

UNIVERSITY OF CENTRAL FLORIDA 2006-2007 Undergraduate Catalog
### UCF Degree Programs

#### Humanities—Philosophy, Religion & Popular Culture Track (B.A.)

**College of Arts and Humanities**  
Philosophy Department, CNH 411  
e-mail: philosophy@ucf.edu  
Advisor: Bruce Janz, 407-823-2273; Fax: 407-823-6658  
Advisor (Cocoa): Shelley Park; 321-433-7919

#### Admission Requirements
- none

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (36 hrs)

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<td>HUM 2210 Hum Tradition I</td>
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<tr>
<td>MGF 1106 req# 1E1-GEP</td>
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</tr>
<tr>
<td>REL 2300* req# 1B2-GEP</td>
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<td>SPN 1120* req# Lang/Elect</td>
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#### Sophomore Year

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<td>ANT 2511* req# 1E2-GEP</td>
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<td>COM 1000* req# 1A3-GEP</td>
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<td>PSY 2012* req# 1D2-GEP</td>
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<tr>
<td>HUM 3431* req# 4A1-ClsHu</td>
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#### Junior Year

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<tr>
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<tr>
<td>CLA 3851* req# 4A2-ClsHu</td>
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<td>JST 3401* req# 4A2-ClsHu</td>
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#### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective* Check restrictions</td>
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<td>Elective* Check restrictions</td>
<td>3</td>
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<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
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</tbody>
</table>

### Core and Elective Requirements (30 hrs)

#### Honors Thesis
- HUM 4903H - Honors Directed Readings 3 hrs
- HUM 4970H - 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

### Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course
- Computer Competency met by HUM 4970H, HUM 4933, or by STA 1060C.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

### 8. Foreign Language Requirements (0-8 hrs)

#### Admission
- Met by graduation requirement

#### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

### 9. Electives (variable)
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

### 10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120 hours

### Related Programs

- Religious Studies, Philosophy, Humanities—Philosophy, Religion, and Popular Culture

### Related Minors

- Environmental Studies, Humanities, Philosophy, Religious Studies

### Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Suggested Plan of Study:

#### Freshman Year

<table>
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<th>Semester</th>
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<tr>
<td>Fall</td>
<td>HUM 4303 Spiritual Ideal</td>
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<tr>
<td>Spring</td>
<td>PHI 3700 Philosophy of Religion</td>
</tr>
<tr>
<td>Fall</td>
<td>PHI 3800 Aesthetics</td>
</tr>
<tr>
<td>or other courses as approved by advisor.</td>
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#### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Fall</td>
<td>REL 2300* req# 1B2-GEP</td>
</tr>
<tr>
<td>Spring</td>
<td>STAT 2023 Intro to Statistics</td>
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#### Junior Year

<table>
<thead>
<tr>
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<th>Courses</th>
</tr>
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<tbody>
<tr>
<td>Fall</td>
<td>HUM 2210 Hum Tradition I</td>
</tr>
<tr>
<td>Spring</td>
<td>HUM 2230 Hum Tradition II</td>
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#### Senior Year

<table>
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<th>Courses</th>
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<tbody>
<tr>
<td>Fall</td>
<td>HUM 3401 The Clas Ideal</td>
</tr>
<tr>
<td>Spring</td>
<td>STA 1060C Statistics Using Excel</td>
</tr>
</tbody>
</table>

### Graduation Requirements

- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
- Earn a “B” (3.0) or better in both HUM 4903H and HUM 4970H
- Successful completion and oral defense of Honors thesis

---

**UCF Degree Programs**

1. **UCF General Education Program** (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations  
     - Select HUM 2210 Humanistic Tradition I 3 hrs  
     - Select HUM 2230 Humanistic Tradition II 3 hrs  
     - Select REL 2300 World Religions or PHI 2010 Intro to Phil 3 hrs
   - C. Mathematical Foundations 6 hrs
     - Prefer MGF 1106 Finite Mathematics
       - (May substitute a higher level math)  
     - Prefer STA 1060C Statistics Using Excel
   - D. Social Foundations 6 hrs
     - Science Foundations 6 hrs

2. **Common Program Prerequisites**
   - none

3. **Core requirements** (18 hrs)
   - a. Core  
     - 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:
1. Select PHY 2048/48L (PR: MAC 2311)  
2. Select STA 3032 (PR: MAC 2312)  
3. Select MAC 2311 (PR: MAC 1114)  

2. Select two courses from Historical Foundations  
   1. Select two courses from Historical Foundations  
   2. Select two courses from Historical Foundations  

3. Select two courses from Contemporary Media  
   a. Contemporary Media  
   b. Contemporary Forms of Life  

4. Select two courses from Core Requirements, Popular Culture and Capstone  
   a. Core Requirements, Popular Culture and Capstone  
   b. Additional Requirements of Honors in the Major  

5. Select two courses from Honors Thesis  

6. Select two courses from Senior Research Seminar  

7. Select two courses from Communication Foundations  

8. Select two courses from Cultural and Historical Foundations  

9. Select two courses from Social Foundations  

10. Select two courses from Science Foundations  

11. Select two courses from Communication Foundations  

12. Select two courses from Cultural and Historical Foundations  

13. Select two courses from Social Foundations  

14. Select two courses from Science Foundations  

15. Select two courses from Communication Foundations  

16. Select two courses from Cultural and Historical Foundations  

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18. Select two courses from Science Foundations  

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21. Select two courses from Social Foundations  

22. Select two courses from Science Foundations  

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26. Select two courses from Science Foundations  

27. Select two courses from Communication Foundations  

28. Select two courses from Cultural and Historical Foundations  

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36. Select two courses from Cultural and Historical Foundations  

37. Select two courses from Social Foundations  

38. Select two courses from Science Foundations  

39. Select two courses from Communication Foundations  

40. Select two courses from Cultural and Historical Foundations  

41. Select two courses from Social Foundations  

42. Select two courses from Science Foundations  

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45. Select two courses from Social Foundations  

46. Select two courses from Science Foundations  

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51. Select two courses from Communication Foundations  

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54. Select two courses from Science Foundations  

55. Select two courses from Communication Foundations  

56. Select two courses from Cultural and Historical Foundations  

57. Select two courses from Social Foundations  

58. Select two courses from Science Foundations  

59. Select two courses from Communication Foundations  

60. Select two courses from Cultural and Historical Foundations  

61. Select two courses from Social Foundations  

62. Select two courses from Science Foundations  

63. Select two courses from Communication Foundations  

64. Select two courses from Cultural and Historical Foundations  

65. Select two courses from Social Foundations  

66. Select two courses from Science Foundations  

67. Select two courses from Communication Foundations  

68. Select two courses from Cultural and Historical Foundations  

69. Select two courses from Social Foundations  

70. Select two courses from Science Foundations  

71. Select two courses from Communication Foundations  

72. Select two courses from Cultural and Historical Foundations  

73. Select two courses from Social Foundations  

74. Select two courses from Science Foundations  

75. Select two courses from Communication Foundations  

76. Select two courses from Cultural and Historical Foundations  

77. Select two courses from Social Foundations  

78. Select two courses from Science Foundations  

79. Select two courses from Communication Foundations  

80. Select two courses from Cultural and Historical Foundations  

81. Select two courses from Social Foundations  

82. Select two courses from Science Foundations  

83. Select two courses from Communication Foundations  

84. Select two courses from Cultural and Historical Foundations  

85. Select two courses from Social Foundations  

86. Select two courses from Science Foundations  

87. Select two courses from Communication Foundations  

88. Select two courses from Cultural and Historical Foundations  

89. Select two courses from Social Foundations  

90. Select two courses from Science Foundations  

91. Select two courses from Communication Foundations  

92. Select two courses from Cultural and Historical Foundations  

93. Select two courses from Social Foundations  

94. Select two courses from Science Foundations  

95. Select two courses from Communication Foundations  

96. Select two courses from Cultural and Historical Foundations  

97. Select two courses from Social Foundations  

98. Select two courses from Science Foundations  

99. Select two courses from Communication Foundations  

100. Select two courses from Cultural and Historical Foundations  

101. Select two courses from Social Foundations  

102. Select two courses from Science Foundations  

103. Select two courses from Communication Foundations  

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145. Select two courses from Social Foundations  

146. Select two courses from Science Foundations  

147. Select two courses from Communication Foundations  

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149. Select two courses from Social Foundations  

150. Select two courses from Science Foundations  

151. Select two courses from Communication Foundations  

152. Select two courses from Cultural and Historical Foundations  

153. Select two courses from Social Foundations  

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158. Select two courses from Science Foundations  

159. Select two courses from Communication Foundations  

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161. Select two courses from Social Foundations  

162. Select two courses from Science Foundations  

163. Select two courses from Communication Foundations  

164. Select two courses from Cultural and Historical Foundations  

165. Select two courses from Social Foundations  

166. Select two courses from Science Foundations  

167. Select two courses from Communication Foundations  

168. Select two courses from Cultural and Historical Foundations  

169. Select two courses from Social Foundations  

170. Select two courses from Science Foundations  

171. Select two courses from Communication Foundations  

172. Select two courses from Cultural and Historical Foundations  

173. Select two courses from Social Foundations  

174. Select two courses from Science Foundations  

175. Select two courses from Communication Foundations  

176. Select two courses from Cultural and Historical Foundations  

177. Select two courses from Social Foundations  

178. Select two courses from Science Foundations  

179. Select two courses from Communication Foundations  

180. Select two courses from Cultural and Historical Foundations  

181. Select two courses from Social Foundations  

182. Select two courses from Science Foundations
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.

CHS 1440 Fundamentals of Chemistry for Eng* 4 hr
(Chem 2045CS/45 will substitute)
MAC 2311 Calculus with Analytic Geometry I* 4 hrs
MAC 2312 Calculus with Analytic Geometry II* 4 hrs
MAC 2313 Calculus with Analytic Geometry III* 4 hrs
MAP 2302 Differential Equations* 3 hrs
PHY 2048/48L Physics for Engineers & Scientists I* 4 hrs
PHY 2049/49L Physics for Engineers & Scientists II* 4 hrs
ENC 1101 Composition I 4 hrs
ENC 1102 Composition II 4 hrs
Humanities Courses
Humanities or Social Sciences Courses 4 hrs
Social Science Courses

3. Courses Required for the Engineering Core (22 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses for the major listed in 4., the technical elective courses listed in 5. below and with the senior design courses listed in 6. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1111C Engineering Computer Graphics 2 hrs
EGN 1007C Engineering Concepts & Methods 1 hr
EGN 3211 Engineering Analysis & Computation 3 hrs
EGN 3310 Engineering Analysis - Statics 3 hrs
EGN 3221 Engineering Analysis - Dynamics 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer or Thermodynamics 3 hrs
EGN 3395 Structure & Properties of Materials 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs

4. Courses Required for the Major (40 hrs)

The Industrial Engineering and Management Systems department requires all students within the major to achieve a 2.0 GPA or better in each course listed in sections 4., 5., and 6.

EGN 3613 Engineering Economic Analysis 2 hrs
EGN 4624 Engineering Administration 3 hrs
STA 3022 Probability & Statistics for Engineers 3 hrs
EIN 3000 Introduction to IE & MS 2 hrs
EIN 3314C Work Measurement & Design 3 hrs
EIN 3354 Principles of Cost Engineering 3 hrs
EIN 4628C IE Applications of Computers 3 hrs
EIN 4243C Human Engineering 3 hrs
EIN 4333C Industrial Control Systems 3 hrs
EIN 3364C Industrial Planning & Design 3 hrs
EIN 4391C Manufacturing Engineering 3 hrs
ESI 4121 Empirical Methods for IE 3 hrs
ESI 4234 Quality Engineering 3 hrs
ESI 4312 Operations Research 3 hrs
ESI 4523C Systems Simulation 3 hrs

5. Approved Technical Electives (3 hrs)

Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Departmental Graduation Requirements (6 hrs)

- EIN 4516C Systems Analysis & Design 3 hrs
- EIN 4891C IE Senior Design Project 3 hrs
- Take the Fundamentals Exam during the Senior year.

7. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: None.

8. University Minimum Graduation Requirements

- A 2.0 UCF GPA.

- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs

Related Programs: Mechanical Engineering

Related Minors: Engineering Leadership & Management

Transfer Notes:

- Courses taken from Community Colleges do not substitute for Upper Division Courses
- Courses transferred must be formally evaluated for equivalency credit.

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

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<thead>
<tr>
<th>FIRST YEAR</th>
<th>Fall</th>
<th>12 hrs 1,2</th>
<th>Spring</th>
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<td>*CHS 1440 Fund of ChemEngns</td>
<td>4</td>
<td>ENC 1102 English Comp II</td>
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<td>*ENC 1101 English Comp I</td>
<td>3</td>
<td>*MAC 2312 Calc with Analy Geo II</td>
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<td>*MAC 2311 Calc with Analytic Geo I</td>
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<td>EIN 1006C Intro to Eng</td>
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<td>*PHY 2048/48L Physics for Engineers &amp; Scientists I</td>
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<td>Summer</td>
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<td>EIN 3211 Eng Anal-Comp</td>
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<td>*EIN 4516C Sys Anal &amp; Dsgn</td>
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<tr>
<td>*Eco 2013 Macroeconomics or ECO 2023 Microeconomics</td>
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<th>12 hrs 1</th>
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<tr>
<td>*MAC 2313 Calc with Analytic Geo III</td>
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<tr>
<td>*MAC 2311 Calc with Analytic Geo I</td>
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<tr>
<td>EIN 3354 Thermodynamics 3</td>
<td>EIN 3333C Industrial Control Systems 3</td>
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<td></td>
<td></td>
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<tr>
<td>EIN 4333C Industrial Control Systems</td>
<td>3</td>
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</tr>
<tr>
<td>EIN 4364C Industrial Planning &amp; Design</td>
<td>3</td>
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<tr>
<td>EIN 4391C Manufacturing Engineering</td>
<td>3</td>
<td></td>
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<td>ESI 4211 Empirical Methods for IE</td>
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<td></td>
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<tr>
<td>ESI 4234 Quality Engineering</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESI 4312 Operations Research</td>
<td>3</td>
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<td></td>
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<tr>
<td>ESI 4523C Systems Simulation</td>
<td>3</td>
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<tr>
<td>Summer</td>
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<td>EIN 3365 Struc &amp; Prop Matsl</td>
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<td>EIN 3613 Engr Econ Anal</td>
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<tr>
<td>*Social Foundations II</td>
<td>3</td>
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<tr>
<td>*EIN 1111C Cmptgr Graphics</td>
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<td>EIN 3314C Work &amp; Desgn</td>
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<td>EIN 4391C Mfg. Engr.</td>
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<td>EIN 3354 Princ of Cost Engnrng</td>
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<td></td>
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<td>ESI 4312 Operations Research</td>
<td>3</td>
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<td>EIN 4343C Human Engng</td>
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<td>EIN 4333C Industrial Cont Sys</td>
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| Summer | 9 hrs 1 |
| EIN 4624 Engineering Admin | 3 |
| EIN 3388 Therm-Fluids-Ht Trans | 3 |
| EIN 3343 Thermodynamics | 3 |
| *Historical Foundations | 3 |

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<th>Spring</th>
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<tbody>
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<td>EIN 4628C IE Computer Appl</td>
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<td>EIN 4516C Sys Anal &amp; Desgn</td>
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<td></td>
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<tr>
<td>ESI 4234 Quality Engineering</td>
<td>3</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>*Einstein 3221 Electromagnetic Theory</td>
<td>3</td>
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<tr>
<td>*Historical Foundations</td>
<td>3</td>
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<tr>
<td>*Science Foundation</td>
<td>3</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 this catalog for further information.
2. EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 4. Approved Technical Electives.

Accelerated BS/MS Degree Program
The Industrial Engineering & Management Systems Department offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

INFORMATION SYSTEMS TECHNOLOGY (B.S.)
College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207
Coordinator: Bahman Motlagh
407-823-4748 Fax: 407-823-4746
http://www.ent.ucf.edu

Admission Requirements
Students should complete 33 credit hours of lower level technical courses at a community college. Technical courses will be accepted in the following areas: networking, programming, information technology, computer science, and computer engineering and technology or closely related disciplines.

Degree Requirements
■ Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
■ A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program (36 hrs)
A. Communication Foundations (nine hours completed in AS degree program)
1. ENC 1101 & ENC 1102
2. Prefer SPC 1016 (nine hours completed in AS degree program)
B. Cultural and Historical Foundations (3 hrs taken in AS degree program)
1. Select MAC 1105
2. Select STA 2023 (completed in AS degree program)
C. Mathematical Foundations (6 hrs)
1. Select MAC 2115
2. Select MAC 2311
3. Select STA 2023
D. Social Foundations (6 hrs)
E. Science Foundations (6 hrs)

2. Lower Level Required Courses Taken at Community College (33 hrs)

3. Prerequisite Courses (14 hrs)
(C or better grade required in all courses)
MAC 1105 College Algebra and GEP
MAC 1141 College Trigonometry or 3 hrs
MAC 2147 Mathematics for Calculus 5 hrs
EET 3085C Electricity & Electronics 4 hrs
CET 3323C Digital Technology 4 hrs
CET 2364 Systems Applications in C 3 hrs

4. Required Technical Courses (27 hrs)
(C or better grade required in all courses)
CET 3529 Linux/Unix Sys Admin 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 3752 Intro to Telephony 3 hrs
CET 4483 Intro to Local Area Network 3 hrs
CET 4333 Computer Organization & Design 3 hrs
CET 4748 Wide Area Networks I 3 hrs

5. IST Support Courses (6 hrs)
ENC 3241 Writing For Technical professional 3 hrs
ETI 4448 Applied Proj Mgmt 3 hrs
STA 2023 Statistical Methods GEP

6. Technical Electives (12 hrs)
(C or better grade required in all courses)
Choose four from the following
CET 3198C Digital Systems 3 hrs

7. Departmental Exit Requirements

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: Secure Computing and Networks
Related Minors: None

Transfer Notes:
■ Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
■ Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
■ Courses taken from Community Colleges do not substitute for Upper Division Courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
■ ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.

Tentative Course Schedule for Transferring Students
The tentative course schedule listed below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year
Fall 14 hrs
ETI 4448 Applied Proj Mgmt 3 hrs
EET 3085C Elect & Electronics 4 hrs
STA 2023 Statistical Methods GEP 3 hrs
CET 3010 Intro to Info Tech 3 hrs
CET 3529 Linux/Unix Sys Admin 3 hrs
CET 2364 Systems Apps in C 3 hrs
MAC 1141 College Trigonometry 3 hrs

Spring 12 hrs
CET 3383 Applied Systems Analysis I 3 hrs
CET 4483 Intro to Local Area Network 3 hrs
CET 4333 Computer Organization & Design 3 hrs
CET 4748 Wide Area Networks I 3 hrs

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4. Support Courses (6 hrs)

- CET 3323 Digital Tech 4
- CET 4483 Intro to Local Area Net 3
- ENC 3241 Technical Report Writing 3
- CRW 3930 Creative Writing (section for IT majors) 3

5. Restricted Electives (15 hrs)
15 hours of upper division courses taken outside of the information technology core requirements. At least nine of these hours must be at or above the 4000 level. The remaining six are at the 3000 level or above. These courses are in areas of the student's choosing. The only restriction is on the level of the courses, not the departments from which they come. However, students are strongly advised to make this a cohesive set of courses. Many departments have plans whereby students can achieve a certification at 15 credits, and a minor at 18. No co-operative education or internship hours are allowed.

6. School Exit Requirements
- Complete an exit interview with an assigned faculty advisor
- Computer competency met by completion of major

7. Free Electives (14 hrs)

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
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of lower division credit (if applicable)

Total Semester Hours Required 120 hours

Related Programs: Computer Science, Computer Engineering, Management Information Systems

Related Minors and Certificates: Information Technology, Computer Science, Secure Computing and Networks

Transfer Notes:
- Grades below "C" (2.0) are not accepted
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

FIRST YEAR
- Fall: ENC 1101 English Comp I 3, ENC 1102 English Comp II 3, ENC 1101 & ENC 1102 6 hrs
- Spring: ENC 1101 & ENC 1102 6 hrs

SECOND YEAR
- Fall: COP 3223 C Programming 3, COP 3223 Intro to OO/Java 3, COP 3223 C Programming 3
- Spring: COP 3223 C Programming 3, COP 3223 C Programming 3

THIRD YEAR

FOURTH YEAR

INFORMATION SYSTEMS TECHNOLOGY (B.S.)
AS to BS Track
Note: For detailed information about this program, see description in the AS to BS Program section.

INFORMATION TECHNOLOGY (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp Engineering Ctr, Rm 254
E-mail: it@cs.ucf.edu
http://www.cs.ucf.edu/
S. Lang 407-823-2341

Degree Requirements
- Students must earn at least a “C” (2.0) in each course in 2-5.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours
- A minimum grade of “C” (2.0) must be made on each of the required courses. A three credit internship approved by the Information Technology Program Coordinator can substitute for the Frontiers in Information Technology (COP 4910) requirement.
INTERPERSONAL/ ORGANIZATIONAL COMMUNICATION (B.A.)

College of Sciences
Nicholson School of Communication, COM 258
407-823-2852
http://www.cas.ucf.edu/communication
E-mail: communication@ucf.edu
Contact: Susan Jefferson

Degree Requirements
Admission Requirements None

6. School Exit Requirements
- Achieve a "C" (2.0) or better average GPA in Nicholson School courses
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term
- Computer Competency met by achieving a "C" (2.0) or better in PUR 4110C, CGS 2100CC, CGS 2585C, CGS 3175, or by departmental assessment

7. Foreign Language Requirements
(0-8 hrs)
Admission: Met by graduation requirement
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
(variable)
Select primarily from upper level courses. May be taken outside of the School of Communication.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Minors: Mass Communication, Interpersonal Communication, Organizational Communication.

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
ENC 1101 Composition I
MGF 1106* req# 1C1-GEP
Elective* Check restrictions
SPN 1120* req# Lang/Elect

Spring
ENC 1102 Composition II
EUF 2000* req# 1B1-GEP
Elective* Check restrictions
SPN 1121* req# Lang/Elect

Sophomore Year
Fall
ANT 2005* req# 1D2-GEP
BSC 2041* req# 1E2-GEP
MUL 2010* req# 1-GEP
SFC 1600 Fund of Oral Com

Spring
Ant 121* req# Lang/Elect
EUF 2000* req# 1B1-GEP
Elective* Check restrictions

Junior Year
Fall
COM 3311 Com Res Methods
PUR 4110C req# 3-Core

Spring
COM 3311 Com Res Methods

Senior Year

JOURNALISM (B.A.)
College of Sciences
Nicholson School of Communication,
COM 244, 407-823-2839,
http://www.cas.ucf.edu/communication
E-mail: journalism@ucf.edu
Contact: Fred Fedler

Limited Access program

Admission Requirements
- Students should apply to become Journalism majors only after completing all requirements for admission. Deadlines are:
  - October 1 to be admitted the next Spring term
  - February 1 to be admitted the next Summer term
  - July 1 to be admitted the next Fall term
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.25 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis.
- Meet a grammar proficiency standard. Students with an "A" in both ENC 1101 and ENC 1102 have satisfied the requirement. All others must pass a grammar proficiency exam administered by UCF’s Counseling and Testing Center.
- Have acceptable keyboard skills.
- Submit a letter demonstrating commitment to the field.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommends that majors work for a student newspaper.
- Journalism majors may obtain an off-campus internship with a commercial weekly or daily newspaper or with a magazine.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of three 2-credit internships. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- Students cannot exceed a total of seven credits of internship, Co-op, and practicum credits combined.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- School Residency Requirement consists of at least 24 semester hours including JOU 2100C and regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- All students are required to pay a fee for equipment insurance.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 of the 120 hours may be taken within the Nicholson School of Communication
- Journalism majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

UCF Degree Programs

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     - Select ENC 1101 & ENC 1102
     - Select SPC 1600 or SPC 1016
   - B. Cultural and Historical Foundations
     - 9 hrs
   - C. Mathematical Foundations
     - Select MGF 1106 (may substitute a higher level math)
     - 3 hrs
     - prefer CGS 1060C or STA 2014C
     - 3 hrs
   - D. Social Foundations
     - 6 hrs
   - E. Science Foundations
     - 6 hrs

2. Common Program Prerequisites: (0 hrs)
   - Select one course
     - GEP
     - SCP 1016 Fund of Technical Presentations
     - SCP 1600 Fund Oral Communication

3. Common Core requirements (15 hrs)
   - JOU 2100C† News Reporting 3 hrs
   - JOU 3201* Editing I 3 hrs
   - MMC 4200 Mass Communication Law 3 hrs
   - JOU 4XXX Journalism Ethics 3 hrs
   - JOU 434C Converged Journalism 3 hrs
   * Grammar Proficiency Examination required.
   † Must earn at least a “C” (2.0) to enroll in subsequent courses

4. Specialization: Select one area
4.1 Newswriting (17-18 hrs)
   - a. Required courses
     - JOU 3XXXC† Metro Reporting 3 hrs
     - JOU 3101 Advanced Reporting 3 hrs
     - JOU 4181 Public Affairs Reporting 3 hrs
     † Must earn at least a “C” (2.0) to enroll in subsequent courses
   - 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 3331C 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 4223C Page Design 3 hrs
     - JOU 4211C Informational Graphics 3 hrs
     - PGY 3610C Photojournalism I 3 hrs
   - b. Directed Electives (Select from the following) (5-6 hrs)
     - VIC 3001 Visual Communication 3 hrs
     - MMC 2004 Mass Media
     - JOU 3004 History of American Journalism
     - JOU 4340C On-line Journalism
     - PGY 3620C Photojournalism II
     - PGY 3630 Photojournalism III
     - CGS 2585C Desktop Internet Publishing
     - JOU 3930 or JOU 4941 Internship (2 credits maximum)

4.3 Editing (17-18 hrs)
   - a. Required courses
     - JOU 3202 Editing II 3 hrs
     - JOU 4223C Page Design 3 hrs
     - JOU 4210C Advanced Reporting 3 hrs
     - JOU 4211C Informational Graphics 3 hrs
   - b. Directed Electives (Select from the following) 5-6 hrs
     - VIC 3001 Visual Communication 3 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 3 hrs
     - Any other JOU prefix writing elective, or one 2 credit JOU internship

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 concentration approved by the Faculty.

6. School Exit Requirements
- Acceptance of portfolio by faculty
- To avoid delaying graduation, you must request a review of
Courses transferred from private and out-of-state schools must
be evaluated for equivalency credit. The student must provide all
supporting information.

LEGAL STUDIES (B.A., B.S.)
College of Health and Public Affairs
HPA1 311, 407-823-2603
http://www.cohpa.ucf.edu/crim.jus/
Undergraduate Program Director and Pre-Law Advisor: David
Slaughter
E-mail: dslaught@mail.ucf.edu
Admission Requirements none
Degree Requirements
Students who change degree programs and select this major
must adopt the most current catalog
Students should consult with a departmental advisor
The courses designated in 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. Persuasive Writing 1600
B. Cultural Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs
2. Common Program Prerequisites 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: Courses marked with asterisk (*) must be completed with a minimum grade
of "C" (2.0) to satisfy the major.
4. Upper Division Restricted Electives (21 hrs)
21 additional hours of Legal Studies coursework selected in consul-
tation 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 stu-
dent’s advisor. Students pursuing the B.S. degree must complete 15
hours of supporting courses chosen with the approval of the stud-
dent’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 pro-
gram 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 specializa-
tions 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 proficien-
try 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 res-
didency at UCF
A maximum of 45 hours of extension, correspondence, CLEP,
Credit by Exam, and Armed Forces credits permitted
Complete the General Education Program, the Gordon Rule, the
CLAST and nine hours of Summer credit (if applicable)
Total Semester Hours Required 120 hours
Related Programs: Business Administration, Criminal Justice,
History, Political Science, Public Administration, Sociology
Related Minors: Business Administration, Criminal Justice, Political
Science, Public Administration, Sociology
Transfer Note: Courses taken at community colleges do not substitute for Upper
Division courses.
Minor
The Legal Studies Minor consists of 21 or more semester hours. Required courses: PLA 3013 plus a minimum of 15 semester hours of legal studies courses and three semester hours of law-related courses selected with the aid of an advisor.

Tentative Course Schedule for Entering Freshmen

Freshman Year*

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring 15/16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>PSY 2012 or SYG 2000</td>
<td>3</td>
<td>COG 1060</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>3</td>
<td>ECO 2013 or POS 2041</td>
</tr>
<tr>
<td>BSC 1105 or MCB 1310</td>
<td>3</td>
<td>or ECO 2023</td>
</tr>
<tr>
<td>PAF 2102</td>
<td>2</td>
<td>Elective</td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall 15/16 hrs</th>
<th>Spring 15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511 or GLY 1030</td>
<td>3</td>
<td>PSC 1221 or CHM 1020</td>
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<tr>
<td>or GEO 1200</td>
<td></td>
<td>PLA 3013</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3</td>
<td>One Course: ARH 2050</td>
</tr>
<tr>
<td>EUH 2000 or HUM 2210</td>
<td>3</td>
<td>ARH 2051, MUL 2010, THE 1020, REL 2300, PHI 2010, LIT 2110, LIT 2120</td>
</tr>
<tr>
<td>or AMH 2010</td>
<td>3</td>
<td>EUH 2001 or HUM 2230</td>
</tr>
<tr>
<td>For. Lang. II or B.S. option Elective</td>
<td>3/4</td>
<td>PLA Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective</td>
</tr>
</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall 15 hrs</th>
<th>Spring 15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 3104</td>
<td>3</td>
<td>PLA 3155</td>
</tr>
<tr>
<td>PLA 3201</td>
<td>3</td>
<td>PLA 3610</td>
</tr>
<tr>
<td>PLA Elective</td>
<td>3</td>
<td>PLA Elective</td>
</tr>
<tr>
<td>PLA Elective</td>
<td>3</td>
<td>Supporting Elective</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall 15 hrs</th>
<th>Spring 15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 4700</td>
<td>3</td>
<td>PLA 4935</td>
</tr>
<tr>
<td>Internship or PLA Elective</td>
<td>3</td>
<td>Internship or PLA Elective</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3</td>
<td>PLA Elective</td>
</tr>
<tr>
<td>Elective/Minor</td>
<td>3</td>
<td>Elective/Minor</td>
</tr>
<tr>
<td>Elective/Minor</td>
<td>3</td>
<td>Elective</td>
</tr>
</tbody>
</table>

LIBERAL STUDIES (B.A., B.S.)
Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
E-mail: ls@mail.ucf.edu
Liberal Studies Advising Team, 407-823-0144
Liberal Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Liberal Studies, depending on the majority of course areas selected in consultation with a Liberal Studies advisor.

The program is administered through the Office of Liberal Studies in the Office of Undergraduate Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses which meet the needs of individual students.

This program may be completed online with limited area, course, and minor selection done with advisement from a member of the Liberal Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/.

Admission Requirements

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared a Liberal Studies major at least one semester before graduation
- Co-op credit cannot be used in this major
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Liberal Studies areas. Non-approved independent studies or internships will not be counted towards the major

- Students must earn at least a “C” (2.0) in each restricted elective course
- Students must consult with a Liberal Studies advisor to enter the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- No courses can count in more than one subject area or in a subject area and a minor

1. UCF General Education Program

   - Communication Foundations
     - A grade of “C” or above (2.0) is required for each course taken in this category.
     - 9 hrs
   - Cultural and Historical Foundations
     - 9 hrs
   - Mathematical Foundations
     - 6 hrs
   - Select MGF 1106 Finite Mathematics (may substitute a higher level math)
     - 3 hrs
   - STA 1060C Statistics Using Excel or STA 2014C Principles of Statistics (may substitute a higher level computer science or statistics course)
     - 3 hrs
   - Social Foundations
     - 6 hrs
   - E. Science Foundations
     - 6 hrs

2. Common Program Prerequisites

   - none

3. Restricted Electives

   - Students must complete two different subject area concentrations from among those specified below
   - Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by a Liberal Studies advisor and not simply when they appear on a student audit.
   - Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

   See the Liberal Studies Advising Team for details regarding each area:
   - Arts
   - Behavioral and Social Sciences
   - Commerce
   - Communication
   - Computer Science
   - Education
   - Engineering
   - Health and Biomedical Sciences
   - Humanities
   - Letters and Modern Languages
   - Natural Sciences
   - Public Affairs

4. Required Minor (18 hrs minimum)

   Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

5. Program Exit Requirements

   - A grade of “C” or above (2.0) is required for each course taken in any of the subject areas.
   - Computer Competency met by CGS 1060C, STA 1060C, or other computer-related courses, or departmental assessment.

6. Foreign Language Requirements (0-8 hrs)

   Admission-BA: Met by graduation requirement
   Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

   Graduation: -BA: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
   -BS: Proficiency equivalent to one semester of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies, or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the require-
Students who change degree programs and select this major must adopt the most current catalog.

Admission Requirements
- Students entering without having met the admission requirements must do so in order to graduate

7. Electives (variable)
Select primarily from upper level courses, with Liberal Studies advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required .................................................. 120 hrs
Related Programs: Computer Information Technology Track, Liberal Arts Track, Environmental Studies Track, Women's Studies Track
Related Minors: Most UCF minors
Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.

LIBERAL STUDIES - COMPUTER INFORMATION TECHNOLOGY TRACK (B.S.)
Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
E-mail: ls@mail.ucf.edu
Liberal Studies Advising Team, 407-823-0144

College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, CSB 201
E-mail: computerscience@ucf.edu
Mark Llewellyn, 407-823-2341

There are numerous opportunities in industry for qualified people to work in the broad area of Information Technology (IT). Computer Science represents only a part of this IT umbrella. Students can go beyond a narrower technical focus to include system, network, and database administration; business principles and behavior; social science behavior and theories; and other areas.

This LS-CIT track fills the gap between the fully accredited degree program in Computer Science which emphasizes the scientific aspects of computing, and the needs of the IT industry for people with skills in broader areas of information technology. By completing this track within Liberal Studies, students can accentuate those areas of computer information and application, while de-emphasizing the mathematical and physical science components of Computer Science.

The program is administered through the Office of Liberal and Interdisciplinary Studies in the Office of Undergraduate Studies and is designed for academic flexibility. It recognizes that many combinations of courses meet the needs of individual students.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared a Liberal Studies major at least one semester before graduation
- Co-op or internship credit cannot be used in this major

Students must earn at least a “C” (2.0) in each restricted elective and minor course

Students should consult with departmental advisors within both the Liberal Studies program and Computer Science when entering the program

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Students wishing to earn a Liberal Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

1. UCF General Education Program (36 hrs)
   A. Communication Foundations ........................................ 9 hrs
   B. Cultural and Historical Foundations ............................. 9 hrs
   C. Mathematical Foundations ......................................... 6 hrs
   D. Social Foundations ................................................ 6 hrs
   E. Science Foundations .............................................. 6 hrs

2. Common Program Prerequisites ........................................ 0 hrs

3. Required Computer Science Minors (36 hrs)
- Students must complete the Computer Science minor and the Information Technology minor (Option 3). See the requirements for these two minors in the catalog minor degree section.

4. Restricted Electives (18 hrs)
- Students must complete a minimum of 18 hours of approved courses in one Liberal Studies subject area from those listed below (excluding GEP courses) of which a minimum of nine hours must be UCF hours and a minimum of nine upper level hours

- Students are strongly encouraged to take all upper level courses in the area

- See the Liberal Studies Advising Team for details regarding each area

   Arts
   Behavioral and Social Sciences
   Commerce
   Communication
   Education
   Engineering
   Health and Biomedical Sciences
   Humanities
   Letters and Modern Languages
   Natural Sciences
   Public Affairs

5. Program Exit Requirements
- A grade of “C” or above (2.0) is required for each course taken in the subject areas and the minors
- Computer Competency is met by CIT major.

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-BS: Proficiency equivalent to one semester of college instruction in a foreign language taught by the Department of Judaic Studies or Modern Languages and Literatures, or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.
Note: Students entering without having met the admission requirement must do so in order to graduate

7. Electives (variable)
Select primarily from upper level courses, with Liberal Studies advisor's approval. May be outside of 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: Computer Science, Liberal Arts Track, Environmental Studies Track, Women's Studies Track, Digital Media

Related Minors: None

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.

LIBERAL STUDIES – ENVIRONMENTAL STUDIES TRACK (B.S.)

Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
E-mail: ls@mail.ucf.edu

Liberal Studies Advising Team, 407-823-0144

Admission Requirements: none

Degree Requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared a Liberal Studies major at least one semester before graduation.
- Internship credit cannot be used in this major without prior written permission of a Liberal Studies advisor.
- Independent study forms must be approved by the director prior to taking an independent study for use in the Liberal Studies core areas. Non-approved independent studies will not be counted toward the major.
- Co-op credit cannot be used in this major.
- Students must earn at least a “C” (2.0) in each required course in the core and subject areas.
- Students should consult with a Liberal Studies advisor when entering the program.
- Courses designated in (General Education Program) and (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn a Liberal Studies degree as a double degree, double major, or second degree, must complete all forty-four credits exclusive of credits done for the degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (36 + 2 hrs)
   A. Communication Foundations
      Select MAC 1105 or higher
      Select STA 2023
   B. Cultural and Historical Foundations
      Select ECO 2013 or ECO 2023
      Select SYG 2000
   C. Mathematical Foundations
      Select CHM 2045C

2. Common Program Prerequisites: none

3. Core for Environmental Studies (11 hrs)
   A. Physical/Mathematical Sciences
      CHM 2045C Chemistry Fundamentals I
      MAC 1105 College Algebra or higher
      PSC 1121 Physical Science I
      STA 2023 Statistical Methods I
   B. Life Sciences
      BSC 2010C Biology I
      BSC 2011C Biology II
      PCB 3044/3044L Principles of Ecology & Lab
   C. Social Science & Humanities
      ECO 2013 Principles of Macroeconomics

4. Subject Area: Environmental Studies Fundamentals (19 hrs)
   IDS 3150 Foundations of Environmental Studies
   ECP 3303 Economics and the Environment
   GEO 3043C GIS for Environmental Studies
   PCB 5326C Ecosystems of Florida
   PCB 5045C Conservation Biology
   OCE 3008 Oceanography
   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 4683 Population Biology & Evolution
   PCB 4723 Animal Physiology
   PCB 5045C Conservation Biology
   PCB 5326C Ecosystems of Florida

5. Subject Areas: Restricted Electives (18 hrs)
- Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.
- Select 18 hours in one concentration

Sciences Concentration
- Science: This subject area is available only to Liberal Studies - Environmental Studies track majors.

   A. Chemistry
      BCH 4053 Biochemistry I
      BCH 4054 Biochemistry II
      BOT 3152C Local Flora
      BOT 3900 Ethnobotany
      BOT 4156C Florida Wildflowers
      BOT 4303C Plant Kingdom
      BOT 4685C Conservation and Management of Native Plants
      BOT 4731C Plant Taxonomy
      BSC 4312C Marine Biology
      CHM 31020 Analytical Chemistry
      EES 3004 Environmental Systems
      OCE 3008 Oceanography
      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 4683 Population Biology & Evolution
      PCB 4723 Animal Physiology
      PCB 5045C Conservation Biology
      PCB 5326C Ecosystems of Florida

Values, Planning, & Policy Concentration
- Science: This subject area is available only to Liberal Studies - Environmental Studies track majors.

   A. Environmental Science & Policy
      ANT 3541 Biobehavioral Anthropology
      BOT 3900 Ethnobotany
      ECP 4302 Economics of the Environment
      ECP 4603 Urban and Regional Economic Problems
      ENC 3211 Theory and Practice of Technical Writing
      ENC 3241 Writing for the Technical Professional
      ENC 4360 Nature Writing
      GEO 4035C Remote Sensing of Environment
      INR 4051 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 4651 Land Use and Environmental Law
      PUP 4204 Sustainability
      PUP 4209 Urban Environmental Policy

6. Program Exit Requirements (0-8 hrs)
- A grade of “C” (2.0) is required for each course taken in the subject areas and core.
- Computer Competency is met by completing this major.

7. Foreign Language Requirements (0-8 hrs)

Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation-BS: Proficiency equivalent to one semester of college instruction in a foreign language taught by the Department of Judaic Studies or Modern Languages and Literatures, or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.
8. Electives
   Select primarily from upper level courses, with advisor approval

9. University Minimum Exit Requirements
   - A 2.0 UCF and overall GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Required Hours 120 hours

Related Programs: Biology, Chemistry, Environmental Engineering, Political Science, Economics

Related Minors: All minors

Transfer Notes
   - Courses taken at community colleges do not substitute for Upper Division courses
   - Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.

LIBERAL STUDIES - LIBERAL ARTS TRACK (B.A.)
Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
E-mail: ls@mail.ucf.edu

Liberal Studies Advising Team. 407-823-0144

The Liberal Arts Track is a Bachelor of Arts degree program available to advanced students seeking an individualized, interdisciplinary, non-traditional major. The degree program is administered by the Office of Liberal and Interdisciplinary Studies within the Office of Undergraduate Studies.

Admission Requirements
   - Degree Requirements
     Students who change degree programs and select this major must adopt the most current catalog.
     Students must earn at least a “C” (2.0) in each restricted elective course.
     Co-op or internship credit cannot be used in this major.
     Independent study forms must be approved by the director prior to taking an independent study for use in the Liberal Studies areas. Non-approved independent studies will not be counted toward the major.
     Students must consult with a Liberal Studies advisor before entering the program.
     Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
     No courses can count in more than one subject area or in a subject area and a minor.
     Students wishing to earn a Liberal Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program
   (36 hrs)
   A. Communication Foundations
      9 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      6 hrs
      Select MGF 1106 Finite Mathematics
      (may substitute a higher level math)
      Select CGS 1060 Intro to Computer Sci or STA 2014C Principles of Statistics or STA 1060C Statistics Using Excel
      (may substitute a higher level computer science or statistics course)
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Core Requirements
   None

3. Restricted Electives
   (36 hrs)
   Select one (either A or B)
   a. Complete a minor from those offered at UCF
      18 hrs
   b. Complete an individualized minor approved by the Liberal Studies advisors
      18 hrs
   Select one (either C or D):
   c. Complete a second minor from those offered at UCF in the
      College of Arts and Humanities or College of Sciences
      18 hrs
   d. Complete nine hours in each of two concentrations below:
      18 hrs
      1. Visual and Performing Arts
      2. Natural and Computational Sciences
      3. Humanities, Letters and Modern Languages
      4. Behavioral, Social Sciences, Communication

4. Program Exit Requirements
   (3 hrs)
   Select one of these options, any of which must be approved by the Liberal Studies advisors:
   - IDS 4912 Directed Independent Research
   - IDS 4955 Study Abroad
   - IDS 4970 Undergraduate Thesis
   Students must take a minimum of 18 hours of approved restricted elective courses. Courses are considered approved only when they have been reviewed by a Liberal Studies advisor and not simply when they appear on a student audit.
   Students are required to take a minimum of 18 UCF hours, as well as 18 Upper Division hours, in the restricted elective courses.
   Maintain a minimum GPA of 3.0 in all Liberal Arts Track courses

6. Foreign Language Requirements
   (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives
   (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Liberal Studies Track, CIT Track, Environmental Studies Track, Women's Studies Track

Related Minors: All College of Arts and Sciences minors

Transfer Notes:
   - Courses taken at community colleges do not substitute for Upper Division courses.
   - Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.
Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared a Liberal Studies major at least one semester before graduation.
- Co-op or internship credit cannot be used in this major.
- Independent study forms must be approved by the director prior to taking an independent study for use in the Liberal Studies areas. Non-approved independent studies will not be counted towards the major.
- Students must earn at least a “C” (2.0) in each restricted elective course.
- Students should consult with a Liberal Studies advisor when entering the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No courses can count in more than one subject area or in a subject area and a minor.
- Students wishing to earn a Liberal Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
   - B. Cultural and Historical Foundations
   - C. Mathematical Foundations
     1. Select MGF 1106 Finite Mathematics
        (may substitute a higher level math) 3 hrs
     2. Select STA 2023 or STA 2014C Principles of Statistics
        (may substitute a higher level statistics course) 3 hrs
   - D. Social Foundations
   - E. Science Foundations
     1. Prefer: PHY 2053C College Physics (prerequisites MAC 1105 and MAC 1114) or equivalent
     2. Select one class from the listed choices

2. Common Program Prerequisites none

3. Restrictive Electives (36 hrs)
   - Students must complete both subject area concentrations from among those specified below.
   - Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
   - Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined.
   - See the Liberal Studies Advising Team for details regarding each area.

Related Programs:
- Computer Information Technology Track,
- Environmental Studies Track

Related Minors:
- Aerospace Studies, Applied Computer Science, Astronomy, Biology, Chemistry, Computer Science,
UCF Degree Programs

Environmental Studies, Health Science, Mathematics, Molecular Biology and Microbiology (Health and Biomedical Sciences), Physics, Psychology, Space Studies, Statistics

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.

LIBERAL STUDIES - WOMEN'S STUDIES TRACK (B.A.)

Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
E-mail: ls@mail.ucf.edu

Liberal Studies Advising Team, 407-823-0144

Women's Studies Program
Colbourn Hall 201
http://www.cas.ucf.edu/womensstudies
E-mail: womens@pegasus.cc.ucf.edu
Lisa Logan, 407-823-6502

Liberal Studies - Women's Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Liberal Studies. The program is administered through the Office of Liberal and Interdisciplinary Studies in the Office of Undergraduate Studies and the Women's Studies Program in the College of Arts and Humanities.

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared a Liberal Studies major - Women's Studies track at least one semester before graduation.
- Internship credit cannot be used in this track without prior permission.
- Independent study forms must be approved by the director prior to taking an independent study for use in the Liberal Studies program. Non-approved independent studies will not be counted towards the major.
- Co op credit cannot be used in this track.
- Students must take a minimum of 18 hours of approved courses towards the major.
- Students wishing to earn a Liberal Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (36 hrs)
   - Communication Foundations: 9 hrs
   - Cultural and Historical Foundations: 9 hrs
   - Mathematical Foundations: 6 hrs
     Select MGF 1106 Finite Mathematics (may substitute a higher level math) or STA 2014C Principles of Statistics (may substitute a computer science or higher level statistics course) and/or major(s), including any minors associated with that degree.

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

Students must complete one subject area from those specified 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 (or select Women's Studies Cognate Area)

Womanist/Women of Color Area: (18 hrs)
- WST 3460 Womanist Studies
  - 3 hrs
- Select 15 hours from the following courses
  - AML 3614 Topics in African-American Literature
  - ANT 4308 Gender Issues in Latin America
  - ASH 4304 Women in China
  - AML 3682 Ethnic Literature in America
  - SYD 3751 North American Indian Women Today
  - 15 hrs

Second Study Area (or select Womanist/Women of Color Area)

Women's Studies Cognate Area: (18 hrs)
- Select 18 hours from the following courses:
  - AML 3614 Topics in African-American Literature
  - AML 3682 Ethnic Literature in America
  - AML 4261 Literature of the South
  - ANT 3212 Peoples of the World
  - CCJ 4463 Cultural Diversity in Criminal Justice
  - CCJ 4681 Domestic Violence and the Justice System
  - EUH 3242 Modern Europe and the First World War
  - EUH 5937* Social Theory/History*
  - HSC 3593 CHIV Disease: A Human Concern
  - LIT 5566 Feminist Theory*
  - LIN 5643 Cross Cultural Communication
  - PEM 2405 Self-Defense for Women and Men
  - PHI 3640 Environmental Ethics
  - PHI 3670 Ethical Theory
  - PHI 4300 Theories of Knowledge
  - PUP 3314 Minorities in Politics
  - SOP 2772 Sexual Behavior
  - SOP 3784 Psychology of Diversity
  - SYD 5700 Race and Ethnic Minorities in the U.S.
  - SYO 4100 Family Trends
  - SYO 4200 Sociology of Religion
  - SYP 3630 Sociology of Popular Culture
  - SYP 3650 Sociology and Sport
  - SYP 4734 Minority Aging
  - THE 3220 Cultural Diversity Through Theater
  - 18 hrs

Other courses may be utilized for this area with the permission of the director.

*Undergraduate students will need professor's permission to register for graduate-level courses.

Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women's Studies Director, some courses may substitute.

2nd Study Area (from those below)

See the Liberal Studies Advising Teams for details regarding each area:

- Arts
- Behavioral and Social Sciences
- Commerce
- Communication
- Computer Science
- Education
- Engineering
- Health and Biomedical Sciences
- Humanities
- Letters and Modern Languages
- Natural Sciences
- Public Affairs

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.
Transfer courses must be evaluated for equivalency credit and/or

Transfer Notes:
- Anthropology in Multicultural Studies

Related Programs:
- Total Semester Hours Required 120 hours

Complete the General Education Program, the Gordon Rule, the "A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted"
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours

Related Programs: Liberal Studies - Liberal Studies track; Liberal Studies - Liberal Arts track

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.

LIBERAL STUDIES ACCELERATED PROGRAM
(B.A./B.S. and M.A./M.S.)

Accelerated Undergraduate/Graduate Program
Note: For detailed information about this program, see description in the "Accelerated Undergraduate/Graduate Programs" section of this Undergraduate Catalog.

MANAGEMENT (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu

1. Admission Requirements
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program (36 hrs)
   - Communication Foundations 9 hrs
     Required: SPE 1600
   - Cultural and Historical Foundations 9 hrs
     Select MAC 1105 College Algebra 3 hrs
     Select CGS 2100CC Computer Fundamentals for Bus 3 hrs
   - Social Foundations 3 hrs
     Select ECO 2300 Microeconomics or ECO 2023 Microeconomics 3 hrs
     Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
   - Science Foundation 6 hrs
     ACG 2021 Principles of Financial Accounting 3 hrs
     ACG 2071 Principles of Managerial Accounting 3 hrs

2. Common Program Prerequisites
- Must be completed with a "C" (2.0) or better.
- 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 a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Note: Students entering without having met the admission requirement must do so in order to graduate

7. Electives (variable)
- Select primarily from upper level courses, with Liberal Studies advisor’s approval. May be outside of Women’s Studies.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

4. Special college and/or department requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration.
- Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
- Students majoring in Management must earn a grade of "C" (2.0) or better in MAN 3025, MAN 4720, and each course applied toward the major.

5. Tracks
Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

Human Resource Management Track (24 hrs)
Required Courses
- (15 hrs)
  - MAN 3025 Human Resource Management 3 hrs
  - MAN 4240 Organizational Theory and Behavior 3 hrs
  - MAN 4230 Recruitment and Selection 3 hrs
  - MAN 4350 Compensation Administration 3 hrs
  - MAN 4250 Training and Development 3 hrs

Elective Courses (choose among MAN courses and BUL 4540) (9 hrs)
- MAN Elective 3 hrs
- MAN Elective 3 hrs
- MAN Elective 3 hrs
- MAN Elective/ BUL 4540 Employment Law 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 4701 Business Ethics and Society 3 hrs

Elective Courses (choose among MAN courses and BUL 4540) (9 hrs)
- MAN Elective 3 hrs
- MAN Elective 3 hrs
- MAN Elective 3 hrs
- MAN Elective/ BUL 4540 Employment Law 3 hrs

Management Track: Entrepreneurship (24 hrs)
Required Courses
- (15 hrs)
  - MAN 3301 Human Resources Management 3 hrs
  - MAN 4892 Entrepreneurship 3 hrs
  - GEB 4117 Business Plan Preparation 3 hrs
  - GEB 4111 New Venture Finance or FIN 3470 Small Business Finance 3 hrs
  - MAR 3641 Market Intelligence or MAR 3880 E-Marketing 3 hrs

Elective Courses (choose among MAN courses and BUL 4540) 9 hrs
- MAN Elective 3 hrs
- MAN Elective 3 hrs
- MAN Elective 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 residence at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

8. Electives*** (variable)

Total Semester Hours Required 120 hrs

Community/Junior College Transfer Notes

Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

ACG X001 and X011 will substitute for ACG 2021 at UCF.

Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

3000 & 4000 level courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.

Any student receiving a business degree must complete one half (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 - ALL MANAGEMENT MAJORS

Freshman

1st Term                           15 hrs  2nd Term                           15 hrs
ENC 1101*                          3       ENC 1102*                          3
Cult-Hist I*                       3       Cult-Hist II*                      3
SPC 1000                           3       Art/Music/Lit                      3
    **Elective                     3       MAC 1105*                          3
    ***Elective                    3       CGS 2100CC*                        3

Must complete nine hours in a summer semester

Sophomore

1st Term                           15 hrs  2nd Term                           15 hrs
ECO 2023*                          3       ECO 2013*                          3
ACG 2001*                          3       ACG 2071*                          3
Science                            3       Science                           3
Psy/Soc/Art                        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 MANAGEMENT TRACK

Junior

1st Term                           15 hrs  2nd Term                           15 hrs
GEB 3031                           6       ISM 3011                           3
BUL 3130                           3       MAR 3023                           3
ISM 3520                           3       ECO 3411                           3
MAN 3026                           3       FIN 3403                           3
  **MAN Elective                   3
Senior

1st Term                           15 hrs  2nd Term                           15 hrs
GEB 3356                           3       MAN 4720                           3
MAN 4240                           3       MAN 4600                           3
MAN 4701                           3       MAN 4101                           3
  **MAN Elective                   3
  ***Elective                      3
**Students select three electives from among MAN courses and BUL 4540.
**General electives as required to reach 120 semester hours.

HUMAN RESOURCE MANAGEMENT TRACK

Junior

1st Term                           15 hrs  2nd Term                           15 hrs
GEB 3031                           6       MAN 4802                           3
GEB 3356                           3       ECO 3411                           3
MAR 3023                           3       FIN 3403                           3
MAN 3025                           3       ISM 3011                           3
Senior

1st Term                           15 hrs  2nd Term                           15 hrs
MAN 4350                           3       MAN 4720                           3
MAN 4240                           3       MAN 4330                           3
MAN 4320                           3       **MAN Elective                     3
  ***MAN Elective                  3
  **Elective                       3
**Students select three electives from among MAN courses and BUL 4540.
**General electives as required to reach 120 semester hours.

ENTREPRENEURSHIP TRACK

Junior

1st Term                           15 hrs  2nd Term                           15 hrs
GEB 4111/FIN 3470                  3       MAN 4720                           3
MAN 4350                           3       GEB 4117                           3
MAR 3023                           3       MAN 3031                           3
MAN 3025                           3       **MAN Elective                     3
  ***MAN Elective                  3
  **Elective                       3
**Student select three electives from among MAN courses and BUL 4540.
**General electives as required to reach 120 semester hours.

Senior

1st Term                           15 hrs  2nd Term                           15 hrs
GEB 4111/FIN 3470                  3       MAN 4720                           3
MAR 3641/3880                      3       GEB 4117                           3
MAN 3031                           3       **MAN Elective                     3
  ***MAN Elective                  3
  **Elective                       3
**Student select three electives from among MAN courses and BUL 4540.
**General electives as required to reach 120 semester hours.

MANAGEMENT INFORMATION SYSTEMS (B.S.B.A.)

College of Business Administration

BA2 101, 407-823-2184

http://www.bus.ucf.edu

Admission Requirements

Completion of the UCF General Education program or an AA degree from a Florida Public Community College

See Common Program Prerequisites

Degree Requirements

1. UCF General Education Program (36 hrs)
A. Communication Foundations 9 hrs
  Prefer SPC 1600
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 3 hrs
  Select MAC 1105 College Algebra
  Select CGS 2100CC Computer Fundamentals for Bus
D. Social Foundations 3 hrs
  Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics
  Select one: PSY 2012, SYG 2000, ANT 2000
E. Science Foundation 6 hrs

2. Common Program Prerequisites
Must be completed with a 2.5 or better.
- ACG 2021 Principles of Financial Accounting
- 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.

3. Required for All Business Majors (30 hrs)

First or subsequent semester in the College of Business Administration:
- GEB 3031 Cornerstone (Required in 1st or 2nd semester) 6 hrs
- GEB 3356 Introduction to International Business 3 hrs
- BUL 3130 Legal & Ethical Environments of Business 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- ISM 3011 Essentials of Management Info Systems 3 hrs

Last Semester:
- MAN 4720 Strategic Management 3 hrs

4. Special college and/or department requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Students desiring to minor in Management Information Systems must apply for admission to the minor and have at least a 2.5 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.
- All College of Business Administration students are expected to have access to late model computers and the software needed and the Four Year Plan of Study later in this section when planning their schedules. MIS course prerequisites cannot be waived.
- 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 (22 hrs)

- ISM 3253 MIS Techniques 4 hrs
- ISM 4113 Information Systems Analysis & Design 3 hrs
- ISM 4130 Information Systems Implementation 3 hrs
- ISM 4212C Database Management Systems 3 hrs
- ISM 4220 Distributed Information Systems 3 hrs
- ISM 4300 Information Technology Management 3 hrs
- ISM 4400 Decision Support Systems 3 hrs

Plus two of the following: (6 hrs)

All 3000 or 4000 level ISM prefix course.

6. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: None

7. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted

- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

8. Electives*** (variable)

Total Semester Hours Required 120 hours

Community/Junior College Transfer Notes
- Common Program Prerequisites for the State University System of College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a 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. This includes the areas of MIS, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

FOUR YEAR PLAN OF STUDY - ALL MANAGEMENT INFORMATION SYSTEMS MAJORS

<table>
<thead>
<tr>
<th>Freshman</th>
<th>1st Term</th>
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<tr>
<td>ENC 1101*</td>
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Must complete nine hours in a summer semester

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* “C” (2.0) or better grade required in each class

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**General electives as required to reach 120 semester hours.
MARKETING (B.S.B.A.)
College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu

Admission Requirements
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
      Required: SPC 1600
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      Select MAC 1105 College Algebra 3 hrs
      Select CJS 2100CC Computer Fundamentals for Business 3 hrs
   D. Social Foundations
      Select ECO 2013 Macroeconomics or
      ECO 2023 Microeconomics 3 hrs
      Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
   E. Science Foundation 6 hrs

2. Common Program Prerequisites
   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
   CGS 2100CC Computer Fundamentals for Business 3 hrs
   *At UCF, students who have completed MAC2233 and STA2023 will be waived from ECO3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO3401.

3. Required for All Business Majors (30 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3031 Cornerstone (Required in 1st or 2nd semester) 6 hrs
   GED 3166 Introduction to International Business 3 hrs
   BUL 3130 Legal & Ethical Environments of Business 3 hrs
   ECO 3411 Quantitative Business Tools II 3 hrs
   FIN 3403 Business Finance 3 hrs
   MAN 3025 Management of Organizations 3 hrs
   ISM 3011 Essentials of Management Information Systems 3 hrs
   MAR 3023 Marketing 3 hrs
   Last Semester:
   MAN 4720 Strategic Management 3 hrs

4. Special college and/or department requirements:
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
   - Students wanting to major in Marketing must apply for admission to the major.
   - Final exams will be given during Exam Week.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration.
   - Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Students majoring in Marketing must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. MAR 3023 is included in this requirement.
   - Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses (18 hrs)
   MAR 3391 Professional Selling 3 hrs
   MAR 3503 Customer Behavior 3 hrs
   MAR 3613 Marketing Analysis and Research 3 hrs
   MAR 3641 Marketing Intelligence 3 hrs
   MAR 4803 Marketing Management 3 hrs
   MAR 4804 Marketing Strategy 3 hrs

6. Restricted Electives – General Marketing (9 hrs)
   Minimum of 3 courses required
   MAR 3323 Integrated Marketing Communication 3 hrs

7. Required Electives - Sales Track* (9 hrs)
   MAR 3903 Sales Force Management 3 hrs
   MAR 3890 International Marketing 3 hrs
   MAR 4231 Retailing Management 3 hrs
   MAR 4711 Sport Marketing 3 hrs
   MAR 4712 Healthcare Marketing 3 hrs
   MAR 4715 Entertainment Marketing 3 hrs
   *MAR 4724 Strategic Foundations in Global e-Business 3 hrs
   MAR 4841 Services Marketing 3 hrs
   MAR 4941 Marketing Internship 3 hrs
   * Either MAR 4156 or MAR 4724 (not both) may be taken as an elective.

8. Foreign Language Requirements (0-8 hrs)

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit if applicable

10. Electives*** (variable)

Total Semester Hours Required 120 hrs

Majors who meet departmental criteria are also eligible to apply for a marketing internship (MAR 4941) and/or take the small business consulting class (MAR 5941). MAR 5941 cannot count as one of the three restricted electives required of marketing majors. For additional information about the department, curriculum, faculty, events, and careers in marketing, students are invited to visit our department home page at: http://www.bus.ucf.edu/mar/.

Community/Junior College Transfer Notes

1. Common Program Prerequisites for the State University System 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.

2. 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.

3. ACG X001 and X011 will substitute for ACG 2021 at UCF.

4. 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.

5. Professional courses should not be taken at a community/junior
college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.

- A minimum of 12 semester hours must be completed at UCF within each individual major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

FOUR YEAR PLAN OF STUDY – GENERAL MARKETING

Freshman
1st Term 15 hrs 2nd Term 15 hrs
ENC 1101* 3 ENC 1102* 3
Cul-Hist I* 3 Cul-Hist II* 3
SPC 1600 3 Art/Music/Lit. 3
***Elective 3 MAC 1105* 3
***Elective 3 CGS 2100CC 3
Must complete nine hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ECO 2023* 3 ECO 2013* 3
AGS 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

Junior
1st Term 15 hrs 2nd Term 15 hrs
MAC 3613 3 MAC 3503 3
GEB 3356 3 FIN 3403 3
MAR 3023 3 MAR 3503 3
Must complete nine hours in a summer semester

Senior
1st Term 15 hrs 2nd Term 15 hrs
MAC Elective 3 MAC 3503 3
GEB 3356 3 FIN 3403 3
GEB 3031 6 BUL 3130 3
ECO 3411 3 MAR 3391 3
1st Term 15 hrs 2nd Term 15 hrs
***Elective 3 ECO 3401* 3
***Elective 3 MAC 3503 3
* "C" (2.0) or better grade required in each class

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 1600 3 Art/Music/Lit. 3
***Elective 3 MAC 1105* 3
***Elective 3 CGS 2100CC 3
Must complete nine hours in a summer semester

Sophomore
1st Term 15 hrs 2nd Term 15 hrs
ECO 2023* 3 ECO 2013* 3
AGS 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

Junior
1st Term 15 hrs 2nd Term 15 hrs
MAC 3613 3 MAC 3503 3
GEB 3356 3 FIN 3403 3
MAR 3023 3 MAR 3503 3
Must complete nine hours in a summer semester

Senior
1st Term 15 hrs 2nd Term 15 hrs
MAC 3613 3 MAC 3503 3
GEB 3356 3 FIN 3403 3
MAR 3023 3 MAR 3503 3
BUL 3130 3 ISM 3011 3
MAR 3641 3 GE Non-Business Elect 3
Select one course
MAD 4203 Combinatorics & Graph Theory
MAP 4153 Vector and Tensor Analysis
MAP 4307 App of Complex Variables
MAP 4363 App Boundary Value Prob I
STA 4321 Statistical Theory I
MAP 4364 App Boundary Value Prob II
COE 3502C Computer Science I
STA 4322 Statistical Theory II
MMA 4226 Advanced Calculus I
COT 4500 Numerical Calculus
MAP 4103 Mathematical Modeling
Select from COT 4210, COT 4110, COT 5507, COT 5510, EGN 3310.

General electives as required to reach 120 semester hours.

MATHEMATICS-APPLIED TRACK (B.S.)

College of Sciences, Department of Mathematics,
MAP 207, 407-823-6284
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 231F, 407-823-5700,
E-mail: martin@math.ucf.edu

The Department of Mathematics offers special courses for students in the Honors Program. These courses are with an H such as MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

Admission Requirements

None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by the Department of Mathematics at UCF
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Math Department
- Co-op or internship credit cannot be used in this major
- Students must earn at least a "C" (2.0) in each required course
- Students should consult with a departmental advisor
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36-3+ hrs)

(Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
   1. Select MAC 2311 4 hrs
   2. Select COP 3502C 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations
   1. Select BSC 2010C 4 hrs
   2. Select PHY 2048 & L 4 hrs

2. Common Program Prerequisites (11 hrs)

COP 3223* Intro to Programming with C 3 hrs
MAC 2311 Calculus with Analytic Geo I GEP
MAC 2312 Calculus with Analytic Geo II 4 hrs
MAC 2313 Calculus with Analytic Geo III 4 hrs
BSC 2010C* Biology I GE
PHY 2048* & L Physics for Sci & Eng I & Lab GEP
*See Transfer Notes for possible substitutes

3. Core requirements (52 hrs)

PHY 2049 & L Physics for Sci & Eng II & Lab 4 hrs
One course selected from
ENC 3241 Writing for Tech Professional
ENC 3310 Magazine Writing I GEP
ENC 3311 Advanced Expository Writing
STA 2023 Statistical Methods I
MHF 3502 Logic and Proof in Mathematics 3 hrs
MAP 2302 Differential Equations 3 hrs
MAS 3105 Matrix & Linear Algebra 4 hrs
MAS 3216 Linear Algebra 4 hrs
Select one course
MAD 4203 Combinatorics & Graph Theory
MAP 4153 Vector and Tensor Analysis
MAP 4307 App of Complex Variables
MAP 4363 App Boundary Value Prob I
STA 4321 Statistical Theory I
MAP 4364 App Boundary Value Prob II
COE 3502C Computer Science I
STA 4322 Statistical Theory II
MMA 4226 Advanced Calculus I
COT 4500 Numerical Calculus
MAP 4103 Mathematical Modeling

4. Restricted Electives (6 hrs)
a. Applied Elective 3 hrs
Select from COT 4210, COT 4110, COT 5507, COT 5510, EGN 3310.
Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-4 above)

5. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-4 above)
- Participate in an exit interview, and take an Educational Testing Service major field test.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

6. Foreign Language Requirements
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit must be completed 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: Applied Math, Computer Science, Engineering, Math Education, Statistics
Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics
Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3223* may use any programming language course with a COP prefix
- BSC 2010C*; may use any laboratory BSC or CHM lab course which is designed for majors, or CHM 2045C if GEP was completed before transferring.
- PHY 2048*; may use any PHY course with a lab. However PHY 2048 is a prerequisite for PHY 2049 and must be taken

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
- Math placement See catalog 0

Freshman Year
Fall
- ANT 2000* req# 1D2-GEP 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calc Anal Geo I 4 hrs
- STA 2023 Stat Methods I 3 hrs

Spring
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calc Anal Geo II 4 hrs
- MHF 3302 Logic and in Math 3 hrs

Sophomore Year
Fall
- COM 1000* req# 1A3-GEP 3 hrs
- PHY 2048 Phy for Eng Sci I 3 hrs

Spring
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calc Anal Geo II 4 hrs
- MHF 3302 Logic and in Math 3 hrs

Junior Year
Fall
- MAC 2313 Calc Anal Geo III 4 hrs
- STA 2023 Stat Methods I 3 hrs
- MAP 2302 Differential Equations 3 hrs

Spring
- MAC 2314 Calc Anal Geo IV 4 hrs
- STA 2023 Stat Methods I 3 hrs
- MAP 2302 Differential Equations 3 hrs

Senior Year
Fall
- PHY 2048&L Physics for Sci & Eng I w/lab 4 hrs

Spring
- PHY 2049&L Physics for Sci & Eng II w/lab 4 hrs

Mathematics - Computational Track (B.S.)
College of Sciences, Department of Mathematics
MAP 207, 407-823-6284
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 231F, 407-823-5700,
E-mail: martin@math.ucf.edu

The Department of Mathematics offers special courses for students in the Honors Program. These courses are designated with an H such as MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

Admission Requirements
Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by, the Department of Mathematics at UCF.

Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.

Students must earn at least a “C” (2.0) in each required course.

Co-op or internship credit cannot be used in this major.

Students should consult with a departmental advisor.

Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program 36 + 3 hrs
(Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36)

A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
- 1. Select MAC 2311 4 hrs
- 2. Select COP 3502C 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations
- 1. Select BSC 2010C 4 hrs
- 2. Select PHY 2048 & L 4 hrs

2. Common Program Prerequisites

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
BSC 2010C Biology I 4 hrs
PHY 2048&L Physics for Sci & Eng I w/lab 4 hrs

*See Transfer Notes for possible substitutes

3. Basic Core Requirements

COP 3502C Computer Science I 4 hrs
PHY 2049&L Physics for Sci & Eng II w/lab 4 hrs
STA 2023 Statistical Methods I 3 hrs
MAP 2302 Differential Equations 3 hrs

4. Advanced Core Requirements

Select one course
MTH 3302 Logic and Proof in Mathematics

200 UNIVERSITY OF CENTRAL FLORIDA 2006-2007 Undergraduate Catalog
### UCF Degree Programs

**MATHEMATICS - ENGINEERING/ PHYSICS TRACK (B.S.)**

**College of Sciences, Department of Mathematics**

**MAP 207, 407-823-6284**

**E-mail: math@mail.ucf.edu**

H. Martin, MAP 2311F, 407-823-5700, E-mail: martin@math.ucf.edu

The Department of Mathematics offers special courses for students in the Honors Program. These courses are designated with an H such as MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

**Admission Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313 and MAP 2302 must either be taken from, or approved by, the Department of Mathematics at UCF.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**Degree Requirements**

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

**1. UCF General Education Program**

(36 + 3 hrs)

- Communication Foundations 9 hrs
- Cultural and Historical Foundations 9 hrs
- Mathematical Foundations
  - Select MAC 2311 4 hrs
  - Select COP 3502C 3 hrs
- Social Foundations 6 hrs
- Science Foundations
  - Select BSC 2010C 4 hrs
  - Select PHY 2048 & L 4 hrs

**2. Common Program Prerequisites**

(11 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
- BSC 2010C* Biology I GEP
- PHY 2048&L Physics for Sci & Eng I w/lab 4 hrs

*See Transfer Notes for possible substitutes

**3. Basic Core Requirements**

(10 hrs)

- COP 3502C Computer Science I GEP
- PHY 2049&L Physics for Sci & Eng II w/lab 4 hrs
- MAP 2302 Differential Equations 3 hrs
- Select one course
  - STA 3023 Prob. & Stats for Engineers
  - STA 2023 Statistical Methods I

**4. Advanced Core Requirements**

(53 hrs)

- Select one course
  - MHF 3302 Logic and Proof in Mathematics 3 hrs
  - COT 3100C Intro to Discrete Structures 3 hrs
  - MAP 4103 Mathematical Modeling 3 hrs
  - EML 3034C Modeling Meth in Mech. & Aero Eng 3 hrs
  - PHZ 3151 Computer Methods in Physics 3 hrs
  - MAP 4153 Vector and Tensor Analysis 3 hrs
  - MAP 4307 Appl of Complex Variables 3 hrs
  - MAP 4363 Appl Boundary Value Prob I 3 hrs
  - MAP 4364 Appl Boundary Value Prob II 3 hrs
  - MAA 4226 Advanced Calculus I 4 hrs
  - EGN 3321 Engineering Analysis - Dynamics 3 hrs
  - Select one course
    - EGN 3420 Engineering Analysis
    - COT 4500 Numerical Calculus 3 hrs
  - Select one course
    - MAS 3106 Linear Algebra 4 hrs
    - MAD 4203 Combinatorics & Graph Theory 4 hrs
UCF Degree Programs

Select one course
- EGN 3310: Engineering Analysis - Statics 3 hrs
- PHY 3220: Mechanics I

Select one course
- EGN 3373: Principles of Electrical Engineering 3 hrs
- PHY 3101: Physics for Eng & Sci III

Select one course
- CHM 2046: Chemistry Fundamentals II 3 hrs
  or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above

Select one course
- EGN 3358: Thermo-Fluids-Heat Transfer 3 hrs
- PHY 3513: Thermal & Statistical Physics
  or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above

Select one course
- EML 3701: Fluid Mechanics 3 hrs
- CWR 3201: Engineering Fluid Mechanics
- PHY 3101: Physics for Eng & Sci III
  (PHY 3101 may be selected only if EGN3373 is also taken)
- EIN 4628C: Industrial Applications of Computers
- PHZ 3113: Intro. to Theoretical Methods of Physics
  or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above

Select one course
- EGN 3331: Mechanics of Materials 3 hrs
- CHM 2046: Chemistry Fundamentals II
- ESI 4312: Operations Research
- EGN 3601: Solid Mechanics
- EML 4220: Vibration Analysis
- EEL 3004: Electrical Networks
- PHY 4604: Wave Mechanics I
  or any MAA, MAD, MAP, or MAS course at 3000 level or above

Select one course
- CES 4100C: Structural Analysis I 3 hrs
- EGN 3331: Mechanics of Materials
- EIN 3000: Intro. to Industr. Eng. & Mgmt Sys
- EAS 3101: Aerodynamics I
- EGN 3601: Solid Mechanics
- EEL 3004: Electrical Networks
  or any PHY, PHZ, AST, MAA, MAD, MAP, or MAS course at 3000 level or above

5. Restricted Electives (6 hrs)

Select two courses
- STA 4321: Statistical Theory I
- STA 4322: Statistical Theory II
- PHY 3322: Electricity & Magnetism I
- PHY 4324: Electricity & Magnetism II
- EGN 3365: Structure & Property of Materials
- EGN 3613: Engineering Economic Analysis
- EGN 3704: Engineering & the Environmental
- EEL 3342C: Intro. to Digital Circuits and Systems
- EEL 3801C: Intro. to Computer Engineering
- EEL 3657: Linear Control Systems
- EML 4142: Heat Transfer
- EML 4312C: Feedback Control
- EML 3262: Kinematics and Mechanisms
- EAS 4200: Flight Structures
- EAS 4400: Spacecraft Attitude Dynamics
- EAS 4505: Orbital Mechanics
- EAS 4105: Flight Mechanics
- EML 4703: Fluid Mechanics II
- ENS 4223: Deformation and Fracture of Materials
- CWR 4023C: Hydraulics
- CWR 4101C: Hydrology
- ENV 4561: Environmental Eng Processes & Design
- ESI 4234: Quality Engineering
- ESI 4523C: Systems Simulation
- EIN 4333C: Industrial Control Systems
- EEL 3470: Electromagnetic Fields
- EEL 3552C: Analog & Digital Communication Fund
- EEL 4750: Digital Signal Processing Fund.
- EEL 4767C: Computer System Design I
- EEL 4832: Eng. Applications of Computer Models
- EEL 4851C: Engineering Data Structures
  or any MAA, MAD, MAP, or MAS course at 3000 level or above

6. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview, and take an Educational Testing Service major field test.
- Computer Competency met by EGN 3420 or COP 3502C.

7. Foreign Language Requirements
   Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation: None

8. Electives (variable)
   Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours
Related Programs: Applied Mathematics, Computer Science, Engineering, Math Education, Statistics
Related Minors: Applied Computer Science, Computer Science, Engineering, Math, Physics, Statistics
Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- COP 3223*: may use any programming language course with a COP prefix.
- BSC 2010C*: may use any laboratory BSC or CHM lab course which is designed for majors, or CHM 2045C if GEP was completed before transferring.
- PHY 2048*: may use any PHY course with a lab; however, PHY 2048 is a prerequisite for PHY 2049 which must be taken.

MATHEMATICS - PURE TRACK (B.S.)
College of Sciences, Department of Mathematics
MAP 207 407-823-6284
http://math.ucf.edu

E-mail: math@mail.ucf.edu
H. Martin, MAP 231F, 407-823-5700,
E-mail: martin@math.ucf.edu

The Department of Mathematics offers special courses for students in the Honors Program. These courses are designated with an H such as MAC 2311H, MAC 2312H, MAC 2313H, and MAP 2302H.

Admission Requirements
Oral or written admission. All applicants are eligible.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, MAC 2312, MAC 2313, and MAP 2302 must either be taken from, or approved by the Department of Mathematics at UCF.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 + 3 hrs)
(Not: Certain courses must be selected in the GEP for this major which brings the UCF GPA 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. Common Program Prerequisites

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223*</td>
<td>Intro to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geo I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geo II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geo III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2010C*</td>
<td>Biology I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2040* &amp; L</td>
<td>Physics for Sci &amp; Eng I &amp; Lab</td>
<td>GEP</td>
</tr>
</tbody>
</table>

*See Transfer Notes for possible substitutes.

### 3. Core requirements

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2049 &amp; L</td>
<td>Physics for Sci &amp; Eng II &amp; Lab</td>
</tr>
<tr>
<td>One course selected from</td>
<td></td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Tech Professional</td>
</tr>
<tr>
<td>ENC 3310</td>
<td>Magazine Writing</td>
</tr>
<tr>
<td>ENC 3311</td>
<td>Advanced Expository Writing</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods</td>
</tr>
<tr>
<td>MHF 3302</td>
<td>Logic and Proof in Mathematics</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix &amp; Linear Algebra</td>
</tr>
<tr>
<td>MAS 3106</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>MAP 4363</td>
<td>Applied Boundary Value Prob I</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
</tr>
<tr>
<td>MAS 4301</td>
<td>Algebraic Structures</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
</tr>
<tr>
<td>MAA 4226</td>
<td>Advanced Calculus I</td>
</tr>
<tr>
<td>MAA 4227</td>
<td>Advanced Calculus II</td>
</tr>
<tr>
<td>MAD 4203</td>
<td>Combinatorics &amp; Graph Theory</td>
</tr>
<tr>
<td>MTG 4302</td>
<td>Introduction to Topology</td>
</tr>
<tr>
<td>MAP 4307</td>
<td>Appl to Complex Variables</td>
</tr>
</tbody>
</table>

### 4. Restricted Electives

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from PCB 3044, PCB 3063, PCB 4302C, PCB 4303C, CHM 2210, CHM 2046, PHY 3101, PHY 3323, PHY 4424</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-4 above).
- Participate in an exit interview, and take an Educational Testing Service major field test.
- Computer Competency met by COP 3502C.

### 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 hours

### Related Programs

Statistics, Applied Math, Computer Science, Engineering, Math Education

### Related Minors

Computer Science, Engineering, Math, Physics, Statistics

### Transfer Notes:

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes

For common program prerequisites if taken prior to transferring to UCF:

- COP 3223*: may use any programming course with a COP prefix.
- BSC 2010C*: may use any laboratory BSC or CHM lab course which is designed for majors, or CHM 2045C if GEP was completed before transferring.
- PHY 2048*: may use any PHY course with a lab. However PHY 2048 is a prerequisite for PHY 2049 and must be taken

### Suggested Plan of Study

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

**Summer**

Math placement See catalog 0

**Freshman Year**

Fall

- ANT 2000* req# 1D-GE 3
- ENC 1101 Composition I 3
- MAC 2311 Calc Anal Geo I 4
- MAC 2313 Calc Anal Geo II 4
- STA 2023 Stat Methods I 3

Spring

- MTH 2010* req# 1D2-GEP 3
- MAC 2313 Calc Anal Geo III 4
- MAS 3105 Matrix and Lin Alg 4
- PHY 2049 Phy for Eng Sci I 3
- PHY 2048L Phy L Eng Sci I 1

**Sophomore Year**

Fall

- COM 1000* req# 1A-GEP 3
- MOV 2048 Phy for Eng Sci I 3
- MOV 2048L Phy L Eng Sci I 1
- MAA 4226 Adv Calculus I 4
- STA 2023 Stat Methods I 3

Spring

- BSC 2010C*; may use any laboratory BSC or CHM lab course
- COP 3223 Intro to Prog C 3
- COP 3502C Computer Science I 3
- MAA 4226 Adv Calculus I 4
- MTG 4302 Intro to Topology 3

**Junior Year**

Fall

- MAA 4226 Adv Calculus I 4
- STA 4321 Statistical Theory II 3
- STA 4322 Statistical Theory II 3
- COP 3502C Computer Science I 3
- MAA 4226 Adv Calculus I 4

Spring

- COP 3223 Intro to Prog C 3
- COP 3502C Computer Science I 3
- MAP 4363 Applied Boundary Value Prob I 3
- MUL 2010* req# 1B2-GEP 3
- MUL 4307 Adv Complex Variables 3

**Senior Year**

Fall

- COP 3223 Intro to Prog C 3
- COP 3502C Computer Science I 3
- MAA 4226 Adv Calculus I 4
- STA 4321 Stat Theory I 3
- STA 4321 Stat Theory I 3

Spring

- AMH 2010* req# 1B-GEP 3
- ENC 3241 Writing for the Tech Professional 3
- MAA 4226 Adv Calculus I 4
- STA 4321 Stat Theory I 3
- STA 4321 Stat Theory I 3

### Mathematics Education (B.S.)

#### College of Education

**Department of Teaching and Learning Principles**

**ED 209:** [http://pegasus.cc.ucf.edu/~mathed](http://pegasus.cc.ucf.edu/~mathed)

**Program Coordinator:** Dr. Michael Hynes

**ED 123-K, 407-823-2005**

**E-mail:** hynes@mail.ucf.edu

### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete prerequisite courses

### Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

#### 1. UCF General Education Program

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>(37 hrs)</td>
</tr>
<tr>
<td>B: Science Foundations</td>
<td>(9 hrs)</td>
</tr>
</tbody>
</table>

### UCF Degree Programs

- Courses transferred from private and state universities must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes

- COP 3223*: may use any programming course with a COP prefix.
- BSC 2010C*: may use any laboratory BSC or CHM lab course which is designed for majors, or CHM 2045C if GEP was completed before transferring.
- PHY 2048*: may use any PHY course with a lab. However PHY 2048 is a prerequisite for PHY 2049 and must be taken
UCF Degree Programs

ENC 1101 Composition I 3 hrs
ENC 1102 Composition II 3 hrs
Select SPC 1600 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundations (9 hrs)
Select AMH 2010 U.S. History 1492-1877 3 hrs
Select AMH 2020 U.S. History 1877-Present 3 hrs
Select PHI 2010 Introduction to Philosophy 3 hrs

C. Mathematical Foundations
Select MAC 2311 Calculus with Analytic Geometry I 4 hrs
Select STA 2023 Statistical Methods I 3 hrs

D. Social Foundations (6 hrs)
Prefer POS 2401 American National Government 3 hrs
Select PSY 2012 General Psychology 3 hrs

E. Science Foundations (6 hrs)
Prefer PSC 1121 Physical Science 3 hrs
Select one:
ANT 2511 The Human Species or
BSC 1005 Biological Principles 3 hrs

Note: See laboratory component under Section 2.

2. Common Program Prerequisites (24 hrs)
A. Communications (9 hrs)
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
SPC 1000 Fundamentals of Oral Communication GEP

B. Humanities (6 hrs)
PHI 2010 Introduction to Philosophy 3 hrs

Select one:
ARH 2050 History of Western Art I or
ARH 2051 History of Western Art II or
MUL 2010 Enjoyment of Music or
MUS 2000 Theatre Survey or
FIL 2400 History of Motion Pictures

C. Mathematics (11 hrs)
MAC 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
STA 2023 Statistical Methods I GEP

D. Social Science/History (12 hrs)
AMH 2010 U.S. History 1492-1877 GEP
AMH 2020 U.S. History 1877-Present GEP
POS 2401 American National Government GEP
PSY 2012 General Psychology GEP

E. Science (10 hrs)
PSC 1121 Physical Science GEP
Select one of the following (per GEP):
ANT 2511 The Human Species or
BSC 1005 Biological Principles 3 hrs

Select one:
AST 2002 Astronomy or
GEO 1200 Physical Geography or
GLY 1030 Geology and its Applications 1 hr
Select one associated science lab: 1 hr
BSC 1005L Biological Principles Laboratory or
PSC 1121L Physical Science Laboratory

F. Education Courses (9 hrs)
EDF 2005 Introduction to Education 3 hrs
EDG 2701 Teaching Diverse Populations 3 hrs
EME 2040 Technology for Educators 3 hrs

G. Diversity Courses (4 hrs)
Select one:
MAC 2313 Calculus with Analytic Geometry III 4 hrs

Note: student should consult advisor regarding course options.

3. Education Core Requirements (15 hrs)
EDG 4323 Professional Teaching Practices 3 hrs
EDG 4603 Analysis of Critical Issues in Education 3 hrs
EDF 4214 Classroom Learning Principles 3 hrs
TSL 4080 Theory and Practice of Teaching ESL 3 hrs
LAE 4361 Literacy Strategies for Mid/High School 3 hrs

4. Internship I (ESE3943) (3 hrs)
Program Internship I Prerequisites: EDG 4323 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of "C-" in all of these prerequisite courses.

Select additional requirements listed under College of Education, Office of Clinical Experiences

5. Specialization Requirements (37 hrs)
NOTE: Some course waivers/substitutions may be possible. See advisor.
MAP 2902 Differential Equations 3 hrs
MAP 4103 Mathematical Modeling 3 hrs

MAS 4301 Algebra Structure 3 hrs
MAD 4203 Combinatorics & Graph Theory 4 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs
MAE 4364 Programs in Teaching Mathematics 3 hrs
MAS 3105 Elementary Linear and Matrix Algebra 4 hrs
MAS 3203 Introduction to Number Theory 3 hrs
MIF 3302 Logic and Proof in Mathematics 3 hrs
MIF 4040 History of Mathematics 3 hrs
MTG 4212 Modern Geometry 4 hrs

6. Internship II (ESE4943) (12 hrs)
At least 80% of all required mathematics courses and all methods courses must be completed before doing Internship II.

At see additional requirements under College of Education, Office of Clinical Experiences.

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education 6A-5.065.

7. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

8. Departmental Exit Requirements
Achieve a minimum 2.5 GPA in all courses within the major.
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
Pass all applicable sections of the Florida Teacher Certification Examination.

9. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residency at UCF
25% of course work must be completed in residency at UCF
Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

10. Total Program Semester Hours Required 128 hours
At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

11. Recommended Four-Year Sequence of Courses

Freshman Year
Fall (17 hrs)
EDG 2701 3 hrs
AMH 2010 3 hrs
ENC 1101 3 hrs
EN 1102 3 hrs
MAC 2311 4 hrs
MAC 2312 4 hrs
PSC 1121 3 hrs
STA 2023 3 hrs

Spring (16 hrs)
EDG 2005 3 hrs
EDG 2701 3 hrs
MAC 2313 4 hrs
EDF 2005 3 hrs
MAC 2313 4 hrs
EDF 2005 3 hrs
PSC 1121L 1 hr
ANT 2511 or
SFC 1600 3 hrs
BSC 1005

Sophomore Year
Fall (15 hrs)
EDF 2005 3 hrs
MAC 2313 4 hrs
EDF 2005 3 hrs
MAC 2313 4 hrs
PSC 1121L 1 hr
ANT 2511 or
SFC 1600 3 hrs
BSC 1005

Spring (16 hrs)
AMH 2010 3 hrs
MAC 2311 4 hrs
MAC 2312 4 hrs
PSC 1121 3 hrs
STA 2023 3 hrs
SFC 1600 3 hrs
BSC 1005

Junior Year
Fall (16 hrs)
EDF 2005 3 hrs
MAC 2313 4 hrs
EDF 2005 3 hrs
MAC 2313 4 hrs
PSC 1121L 1 hr
ANT 2511 or
SFC 1600 3 hrs
BSC 1005

Spring (16 hrs)
AMH 2010 3 hrs
MAC 2313 4 hrs
EDF 2005 3 hrs
MAC 2313 4 hrs
PSC 1121L 1 hr
ANT 2511 or
SFC 1600 3 hrs
BSC 1005

Senior Year
Fall (16 hrs)
AMH 2010 3 hrs
MAC 2311 4 hrs
MAC 2312 4 hrs
PSC 1121 3 hrs
STA 2023 3 hrs
SFC 1600 3 hrs
BSC 1005

Spring (16 hrs)
AMH 2010 3 hrs
MAC 2313 4 hrs
EDF 2005 3 hrs
MAC 2313 4 hrs
PSC 1121L 1 hr
ANT 2511 or
SFC 1600 3 hrs
BSC 1005

204 UNIVERSITY OF CENTRAL FLORIDA 2006-2007 Undergraduate Catalog
Prerequisites

Systems should complete the GEP and the Common Program before transferring. The UCF General Education Program (GEP) is described in the section, Engineering Students, and the Social Science courses. These courses are specifically required for all engineering students. Undergraduate Advisor: Waheeda Illasari

Admission Requirements:

All entering students are required to attend Orientation before registering for their first semester at UCF. Orientation includes engineering academic advisement and registration for first-semester UCF classes; see also the section, Orientation, found elsewhere in this catalog.

1. UCF General Education Program for (36 hrs)

The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A. Communication Foundations

1. ENC 1101 & ENC 1102
2. Prefer SPC 1016

B. Cultural and Historical Foundations

1. Select two courses from the following:
   - ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300, PHI 2010, LIT 2110, or LIT 2120

C. Mathematical Foundations

1. Select one of the following courses:
   - MAC 2311, ( prerequisite MAC 1144) or
   - STA 2023 (PR: MAC 2311)
2. Select STA 2033 (PR: MAC 2312)

D. Social Foundations

1. Select two courses from the following:
   - PHI 2010, LIT 2110, or LIT 2120
   - ARH 2050, ARH 2051, MUL 2010, THE 2000, FIL 1001, REL 2300
   - SPC 1016
2. Select two courses from Historical Foundations

E. Science Foundations

1. Select two courses from the following:
   - CHM 2045C/45L
   - PHY 2048/48L
   - EML 4502C
   - EML 4501C
   - EML 4703
   - EML 4535C
   - EML 4520
   - EML 4552C

2. Common Program Prerequisites (CPP’s)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

CHS 1440 Fundamentals of Chemistry for Eng (CHM 2045C/45L will substitute) 4 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048/48L Physics for Engineers & Scientists I 4 hrs
PHY 2049/49L Physics for Engineers & Scientists II 4 hrs
ENC 1101 Composition I 3 hrs
ENC 1102 Composition II 3 hrs

2. Approved Restricted and Technical Electives

3. Courses Required for the Major (65 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the senior design courses listed in 4. below.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1111C Engineering Computer Graphics 2 hrs
EGN 1007C Engineering Concepts & Methods 1 hr
EGN 3310 Engineering Analysis - Statics 3 hrs
EGN 3321 Engineering Analysis - Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3365 Structure & Properties of Materials 3 hrs
EGN 3373 Principles of Electrical Eng 3 hrs
STA 3032 Probability & Statistics for Engineers 3 hrs
EML 3034C Modeling Methods in MME 3 hrs
EML 3303C Mechanical Enging Measurements 3 hrs
EML 4312C Feedback Control 2 hrs
EML 3500 Machine Design & Analysis 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EML 3701 Fluid Mechanics I 3 hrs
EML 4142 Heat Transfer 3 hrs
EML 4220 Vibraton Analysis 3 hrs
EML 4535C Introduction to CAD/CAM 3 hrs

Select one of the following three options for your senior year to complete your BSME:

a. Energy Systems Option

   EML 3101 Thermodynamics of Mechanical Sys 3 hrs
   EML 3404C Thermo-fluids Measurements 2 hrs
   EML 4703 Fluid Mechanics II 3 hrs
   Restricted Mechanical Systems Elective 3 hrs
   Approved Electives 9 hrs

b. Mechanical Systems Option

   EMA 302C Experimental Techniques in Materials & Mechanics 2 hrs
   EML 3262 Kinematics of Mechanisms 3 hrs
   EML 3804C Digital Control in Mechatronics 3 hrs
   Restricted Energy Systems Elective 3 hrs
   Approved Electives 9 hrs

c. Materials Option

   EMA 302C Experimental Techniques in Materials & Mechanics 2 hrs
   EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs
   EMA 3124 Design and Selection of Materials 3 hrs
   Restricted Materials Systems Elective 3 hrs
   Approved Electives 9 hrs

4. Departmental Graduation Requirements (6 hrs)

   EML 4501C Engineering Design I or EGN 4412C Interdisciplinary Design I 3 hrs
   EML 4502C Engineering Design II or EGN 4413C Interdisciplinary Design II 3 hrs

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

5. Foreign Language Requirements (0-8 hrs)

   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation: none

6. Approved Restricted and Technical Electives

   These technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

7. University Minimum Graduation Requirements

   A 2.0 UCF GPA.
   60 semester hours earned after any CLEP award.
   48 semester hours of upper division credit completed.
   30 of the last 36 hours of course work must be completed in 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).
UCF Degree Programs

Total Semester Hours Required: 128 hrs

Related Programs: Aerospace Engineering, Industrial Engineering.


Transfer Notes:
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses may be substituted by an approved Mechanical Engineering technical elective for transfer students.

Tentative Course Schedule for Entering Freshmen

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

Mechanical Engineering - 128 semester hours required

**FIRST YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs^1</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C Intro to Eng Prof</td>
<td>1</td>
</tr>
<tr>
<td>*ENC 1101 English Comp I</td>
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<tr>
<td>*CHS 1440 Chem Eng or</td>
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</tr>
<tr>
<td>CHM 2045C w/lab</td>
<td>4</td>
</tr>
<tr>
<td>*MAC 2311 Calc I</td>
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</tr>
<tr>
<td>*ECP 2039 or 2023 Macro or Micro</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EGN 1007C Eng Conc&amp;Meth</td>
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<tr>
<td>*ENC 1102 English Comp II</td>
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</tr>
<tr>
<td>*MAC 2312 Calc II</td>
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</tr>
<tr>
<td>*SPE 1016 Oral Comm for Eng or</td>
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</tr>
<tr>
<td>*PHY 2048 Phys Eng I w/lab</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EGN 1008C Struct Eng</td>
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</tr>
<tr>
<td>*PE 2022 Eng Draw</td>
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<tr>
<td>*CHS 1440 Chemical Eng I</td>
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<tr>
<td>CHM 2046 Organic Chemistry</td>
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<tr>
<td>*MAC 2313 Calc III</td>
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<td>*Social Foundations</td>
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**SECOND YEAR**

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<tr>
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<tr>
<td>EGN 1111C Engr Comp Graph</td>
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<td>*MAP 2302 Diff Equations</td>
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<tr>
<td>EGN 3310 Engr Anal-Statics</td>
<td>3</td>
</tr>
<tr>
<td>*PHY 2049 Phys Eng II w/lab</td>
<td>4</td>
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<tr>
<td>STA 3032 Prob &amp; Stats/Engrs</td>
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<tr>
<td>EGN 3373 Prin of Elec Engr</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EML 3500 Machine Design</td>
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</tr>
<tr>
<td>EML 3701 Fluid Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>EML 3030C Modeling Methods</td>
<td>3</td>
</tr>
<tr>
<td>EML 3303C Mech Engn Meas</td>
<td>3</td>
</tr>
<tr>
<td>*Science Foundations^2</td>
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**THIRD YEAR**

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<tr>
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<tbody>
<tr>
<td>EML 3511 Thermodynamics</td>
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<td>EML 4030C Fluid Mechanics II</td>
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</tr>
<tr>
<td>EML 4501C Eng Design I</td>
<td>3</td>
</tr>
<tr>
<td>EGN 4412C Inter Design I</td>
<td>3</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Mechanical Systems Elect</td>
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</tbody>
</table>

<table>
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<tr>
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<td>EGN 4413C Inter Design II</td>
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<td>EGN 4404C Meas Therm Sys</td>
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<td>Approved Elective</td>
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**FOURTH YEAR**

I. ENERGY SYSTEMS OPTION

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<tr>
<td>EML 4501C Eng Design I</td>
<td>3</td>
</tr>
<tr>
<td>EGN 4412C Inter Design I</td>
<td>3</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>3</td>
</tr>
<tr>
<td>Approved Elective</td>
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<tr>
<td>Restricted Energy Systems Elect</td>
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<thead>
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<tbody>
<tr>
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<tr>
<td>EGN 4413C Inter Design II</td>
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<tr>
<td>EML 3804C Mechatronics</td>
<td>3</td>
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<td>EML 3012C Exp Tech Mech/Mtl</td>
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II. MECHANICAL SYSTEMS OPTION

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<thead>
<tr>
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<tbody>
<tr>
<td>EML 3262 Kinem Mechnsms</td>
<td>3</td>
</tr>
<tr>
<td>EML 4501C Eng Design I</td>
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<tr>
<td>EGN 4412C Inter Design I</td>
<td>3</td>
</tr>
<tr>
<td>EML 4312C Feedback Control</td>
<td>3</td>
</tr>
<tr>
<td>Approved Elective</td>
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<tr>
<td>Restricted Materials Systems Elect</td>
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<thead>
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</thead>
<tbody>
<tr>
<td>EML 4502C Eng Design II</td>
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<tr>
<td>EGN 4413C Inter Design II</td>
<td>3</td>
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<tr>
<td>EML 4121C Exp Tech Mech/Mtl</td>
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<td>3</td>
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III. MATERIALS OPTION

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<tr>
<td>EMA 4102 Thermo &amp; Kinetics of Mtls</td>
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<tr>
<td>EML 4501C Eng Design I</td>
<td>3</td>
</tr>
<tr>
<td>EGN 4412C Interm Design</td>
<td>3</td>
</tr>
<tr>
<td>EMA 3124 Design &amp; Select of Mtls</td>
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<tr>
<td>EML 4312C Feedback Control</td>
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<tr>
<td>Restricted Materials Systems Elect</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Winter</th>
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</tr>
</thead>
<tbody>
<tr>
<td>EML 4502C Eng Design II</td>
<td>3</td>
</tr>
<tr>
<td>EGN 4413C Inter Design II</td>
<td>3</td>
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<tr>
<td>EML 3012C Exp Tech Mech/Mtl</td>
<td>2</td>
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<tr>
<td>Approved Elective</td>
<td>3</td>
</tr>
<tr>
<td>*Cultural Foundations</td>
<td>3</td>
</tr>
</tbody>
</table>

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. Students should consult the MMAE website (www.mmae.ucf.edu) or with the MMAE Associate Chairman in ENGR 307 for a list of approved technical electives and for the terms when specific courses of this type are to be offered. Students must check with the MMAE Associate Chairman each semester to ensure they are making satisfactory progress toward their degree.
3. The State University System requires students to complete a minimum of nine semester hours during summer terms prior to graduation. See the section on Summer Attendance Requirement elsewhere in this catalog.

**Important Notice**

- Certain courses required for this major serve as key prerequisites or are offered in specific terms. Any deviation from the four-year plan should be discussed with an academic advisor. Failure to take the courses as listed may result in a delay in the date of your graduation.
- Caution must be taken to ensure that you take courses in a proper sequence regarding prerequisites.
- If you do not have a higher level programming language background you must take a course in this area prior to taking EML 3034C (C or FORTRAN recommended).
- If you are not ready to begin the Calculus sequence upon entry to the Mechanical Engineering curriculum it is imperative that you meet with your advisor to plan a personalized program of study. Mathematics and physics are cornerstones of a quality engineering program and it is important for your academic career that you proceed accordingly.

**Accelerated BS/MS Degree Program**

The Mechanical, Materials, and Aerospace Engineering Department offers the Integrated Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve graduate hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

**MEDICAL LABORATORY SCIENCES (B.S)**

Burnett College of Biomedical Sciences
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu

Undergraduate Program Director: Dotilyn Hitchcock
E-mail: hitchcod@mail.ucf.edu

**Admission Requirements**

**Limited Access**

Acceptance to the university does not necessarily constitute admission to the upper division medical laboratory science program.

- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Preference will be given to those who apply prior to March 1, but applications will be accepted until the class is filled.
- UCF application must also be submitted by the program deadline. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.

This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0)

**Degree Requirements**

- The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS - 8410 Bryn Mawr Avenue Suite 670, Chicago, IL 60663) and is approved as a training program by the state of Florida Board of Clinical Laboratory Personnel.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program
Prerequisite Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program
- UCF Residency Requirement: 32 hours
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

1. UCF General Education Program (36 + 2 hrs)
   - Communication Foundations 9 hrs
   - Cultural Historical Foundations 9 hrs
   - Mathematical Foundations 6
     - Select MAC 1105
     - Select STA 2023
   - Social Foundations 6 hrs
   - Science Foundations
     - Select BSC 2010C 4 hrs
     - Select CHM 2045C 4 hrs

2. Common Program Prerequisites (25 hrs)
   - BSC 2010C General Biology and lab
   - CHM 2045C, 2046 Chemistry Fundamentals I&II w/labs 4 hrs
   - STA 2023 Statistical Methods I 4 hrs
   - ZOO 3733C Human Anatomy and Lab* 4 hrs
   - CHM 2210, 2211 Organic Chemistry I&II w/labs 8 hrs
   - MCB 3020C General Microbiology* 5 hrs
   - PCB 3703C Human Physiology and Lab* 4 hrs
   - * see Transfer Notes

3. Core Requirements (63 hrs)
   - MLS 3220C Clinical Microscopy with lab 3 hrs
   - MLS 4625 Advanced Clinical Chemistry I/flab 3/1 hrs
   - MLS 4630 Advanced Clinical Chemistry II 3 hrs
   - PCB 3233 Immunology with Lab 3/1 hrs
   - MLS 4300C Clinical Parastology 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 4933 Medical Technology Seminar 1 hrs
   - MLS 3375 Concepts in Education/Management 3 hrs
   - MLS 4830C Interpretive & Practical Clinical Chem 4 hrs
   - MLS 4831C Interpretive & Practical Immunohematology 4 hrs
   - MLS 4832C Interpretive & Practical Hematology 4 hrs
   - MLS 4833C Diagnostic Microbiology 4 hrs
   - CGS 2100C Computer Fundamentals for Business 3 hrs
   - BSC 3403C Quantitative Biological Methods 4 hrs

4. Upper Division Restricted Electives none

5. Departmental Exit Requirements (126 hrs)
- A minimum 2.5 overall GPA is required for clinical assignment.
- The Degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University’s didactic component and the clinical component in affiliated hospital laboratories.
- Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to write a national certification examination and then qualify for State Licensure.
- Students must earn a grade of "C" (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation

6. Electives none

7. Foreign Language Requirements (0-8 hrs)
   - Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation: none

8. University Minimum Exit Requirements
- A 2.0 UCF GPA

UCF Degree Programs
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 126 hrs

Related Programs: Molecular Biology and Microbiology, Biology, Chemistry

Related Minors: Molecular Biology and Microbiology, Biology, Chemistry

Transfer Notes:
- Community College Equivalencies
- Human Anatomy and Physiology I & II
- General Microbiology/Lab (MCB 3020C) 4 hrs
- General Microbiology/Lab (MCB 3020C) 4 hrs

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Tentative Course Schedule for Entering Freshmen

Freshman Year
   - Fall 16 hrs
     - ENC 1101 3
     - ENC 1102 3
     - MAC 1105 3
     - BSC 2010C 4
     - SPC 1600 3
     - CHM 2045C 4
     - MCB 3020C 5
     - PCB 3233/L 3/1
     - MLS 4460C 5
     - PCG 2100CC 3
     - or PSY 2012
     - STA 2023 3
   - Spring 17 hrs
     - ENC 2210 3
     - CHM 2210 3
     - ZOO 3733C 4
     - PCB 3703C 4
     - MCB 3020C 5
     - EUH 2000 or HUM 2210 3
     - PCB 3703C 4
     - EMU 2001 or 3
     - MUL 2010 or THE 2000 3
     - or REL 2300 or PHI 2010 3
     - AMH 2020 3

Sophomore Year
   - Fall 16 hrs
     - POS 2041 or ECO 2013 3
     - CHM 2210 3
     - ZOO 3733C 4
     - PCB 3233/L 3/1
     - MCB 3020C 5
     - EUH 2000 or HUM 2210 3
     - PCB 3703C 4
     - EMU 2001 or 3
     - MUL 2010 or THE 2000 3
     - or REL 2300 or PHI 2010 3
     - AMH 2020 3
   - Spring 17 hrs
     - POS 2041 or ECO 2013 3
     - CHM 2210 3
     - ZOO 3733C 4
     - PCB 3233/L 3/1
     - MCB 3020C 5
     - EUH 2000 or HUM 2210 3
     - PCB 3703C 4
     - EMU 2001 or 3
     - MUL 2010 or THE 2000 3
     - or REL 2300 or PHI 2010 3
     - AMH 2020 3

Junior Year
   - Fall 13 hrs
     - MLS 3220C 3
     - MLS 3305/L 3/1
     - MLS 4625/L 3/1
     - PCB 3233/L 3/1
     - MLS 4460C 5
     - MLS 4334 3
   - Spring 16 hrs
     - MLS 4830C 4
     - MLS 4912 1
     - MLS 4831C 4
     - MLS 4912 1
     - MLS 4832C 4
     - MLS 4933 1
     - MLS 4833C 4
     - MLS 3705 3
     - BSC 3403C 4

Senior Year
   - Fall 16 hrs
     - MLS 4830C 4
     - MLS 4912 1
     - MLS 4831C 4
     - MLS 4505C 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 & Literatures,
CNH 523
http://pegasus.cc.ucf.edu/~forlang
E-mail:moderlanguages@ucf.edu
P. Giordano, 407-823-2472

Admission Requirements
- Placement in Language courses
- Placement in language courses is based on one year of high
### 1. UCF General Education Program (36 hrs)

<table>
<thead>
<tr>
<th>A. Communication Foundations</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select MGF 1106 Finite Mathematics (may substitute a higher level math)</td>
<td></td>
</tr>
<tr>
<td>Prefer CGS 1060C Intro to Computer Sci or STA 1060C Statistics Using Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (0-14 hrs)

Completion of Intermediate level of proficiency.

### 3. Core requirements-first language (24 hrs)

(French, German or Spanish)

<table>
<thead>
<tr>
<th>a. Composition (select one)</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3420*</td>
<td>Spanish Composition</td>
</tr>
<tr>
<td>FRE 4422*</td>
<td>Advanced French Composition</td>
</tr>
<tr>
<td>GER 3420*</td>
<td>German Composition</td>
</tr>
</tbody>
</table>

b. Oral Communication (select one)

<table>
<thead>
<tr>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3760*</td>
</tr>
<tr>
<td>FRE 3760*</td>
</tr>
<tr>
<td>FRE 4421*</td>
</tr>
<tr>
<td>GER 3760*</td>
</tr>
</tbody>
</table>

* 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)

<table>
<thead>
<tr>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPW 3100 &amp; 3101 Survey of Spanish Literature</td>
</tr>
<tr>
<td>SPW 3130 &amp; 3131 Survey of Latin American Literature</td>
</tr>
<tr>
<td>FRW 3100 &amp; 3101 Survey of French Literature</td>
</tr>
<tr>
<td>GEW 3100 &amp; 3101 Survey of German Literature</td>
</tr>
</tbody>
</table>

d. Linguistics (select one)

<table>
<thead>
<tr>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3780</td>
</tr>
<tr>
<td>FOL 3730</td>
</tr>
<tr>
<td>GER 3780</td>
</tr>
<tr>
<td>SPN 4801</td>
</tr>
<tr>
<td>SPN 4800</td>
</tr>
<tr>
<td>SPN 4780</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>a. Composition (select one)</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3420, FRE 3420, GER 3420, ITA 3420</td>
<td></td>
</tr>
</tbody>
</table>

b. Advanced Oral Communication (select one)

<table>
<thead>
<tr>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3760, FRE 3760, GER 3760, or ITA 3760</td>
</tr>
</tbody>
</table>

c. Restricted Electives in the second language (chosen with departmental advisor)

| 9 hrs |

### 5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or higher in at least 39 hrs of upper division Modern Language courses
- Students are required to satisfactorily complete a departmental exit exam
- Computer Competency met by CGS 1060C or equivalent

### 6. Foreign Language Requirements (0-16 hrs)

Admission: Met by Graduation requirements.
Graduation: Met by department program requirements (four semesters or proficiency).

### 7. Electives (variable)

Select primarily from upper division 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.

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005*</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>MUL 2010*</td>
</tr>
<tr>
<td>AMH 1010*</td>
<td>MUL 2010*</td>
</tr>
<tr>
<td>MGF 1106*</td>
<td>STA 1060C*</td>
</tr>
</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000*</td>
<td>REL 2300*</td>
</tr>
<tr>
<td>PSC 1121*</td>
<td>SPR 2200*</td>
</tr>
<tr>
<td>COM 1000*</td>
<td>SPR 2200*</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3420*</td>
<td>SPW 3101*</td>
</tr>
<tr>
<td>SPN 3760*</td>
<td>SPR 3420*</td>
</tr>
<tr>
<td>SPN 3300*</td>
<td>SPR 3420*</td>
</tr>
<tr>
<td>FRE 2200*</td>
<td>SPR 3420*</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPW 3100*</td>
<td>SPN 3780*</td>
</tr>
<tr>
<td>SPR 4412*</td>
<td>SPR 4412*</td>
</tr>
<tr>
<td>FRW 3100*</td>
<td>SPR 3420*</td>
</tr>
</tbody>
</table>

### Related Programs:

- French
- Spanish

### Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

### Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
MOLECULAR BIOLOGY AND MICROBIOLOGY (B.S.)
Burnett College of Biomedical Sciences
HPA2 335, 407-823-5932
Molecular Biology and Microbiology Department
http://www.biomed.ucf.edu
Chair: P.E. Kolattukudy

Admission Requirements

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students who complete the General Education Program before transferring within the Florida Public University/Community College System must adopt the most current catalog.
- Students who change degree programs and select this major must complete the first 60 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (38-39 hrs)

(Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.)

A. Communication Foundations

Select ENC 1101, ENC 1102
Select ENC 1101 Tech Presentations

B. Cultural Historical Foundations

Select STA 2023 or CGS 1060

C. Mathematical Foundations

Select MAC 2311 or MAC 2233
Select STA 2023 or CGS 1060

D. Social Foundations

Select BSC 2010C
Select CHM 2045C

E. Science Foundations

Select BSC 2010C
Select CHM 2045C

2. Common Program Prerequisites (16 hrs)

BSC 2010C Biology I GEP
BSC 2011C Biology II 4 hrs

CHM 2045C, 2046, 2046L
CHM 2210, 2211L
MAC 2311

3. Core Requirements (33 hrs)

Life Sciences

MCB 3020C General Microbiology 5 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 4239, 3233L Molecular Immunology + Immunology Lab 4 hrs
PCB 3522, 4524 Molecular Biology I, II 6 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry

BCH 4053 Biochemistry I 3 hrs

Physics*

PHY 2053C, 2054C College Physics I, II 8 hrs

** Those students interested in pursuing graduate or professional education are strongly advised to select the following courses.

Physics for Scientists and Engineers I & II (PHY 2048, 2049, 2048L, 2049L); Applied Calculus I & II (MAC 2253, 2254) or Calculus with Analytic Geometry I & II (MAC 2311, 2312).

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 4103L Biochemical Methods 2 hrs

5. Departmental Exit Requirements (81-91 hrs)

To be eligible for a major in Molecular Biology and Microbiology:

- A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

6. Electives (variable)

Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

7. Foreign Language Requirements (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Biology, Chemistry, Medical Lab Science

Related Minors: Biology, Chemistry

Transfer Notes:

Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to com-
UCF Degree Programs

Admission Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor and the Prehealth Professions Advisement Office in HPA2 0124.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (38-39 hrs)
   (Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.)
   - A. Communication Foundations
     Select ENC 1101, ENC 1102
   - B. Cultural Historical Foundations
     Prefer SPC 1016 Tech Presentations
   - C. Mathematical Foundations
     Select STA 2023 or CGS 1060
   - D. Social Foundations
     Select SPC 2016
   - E. Science Foundations
     Select BSC 2013, BSC 2013C
   - F. General Education Program (38-39 hrs)

2. Common Program Prerequisites (16 hrs)
   - BSC 2013, BSC 2013C
   - BCH 4054
   - PHY 2048, 2049, 2048L, 2049L
   - SLS 2311C
   - MAC 2311

3. Core Requirements (35 hrs)
   - A. Communication Foundations
   - B. Cultural Historical Foundations
   - C. Mathematical Foundations
   - D. Social Foundations
   - E. Science Foundations
   - F. General Education Program (38-39 hrs)

4. Upper Division Restricted Electives (19 hrs min)
   (7 courses minimum)

   **Those students interested in pursuing graduate or professional education are encouraged to select the following courses.**
   - BCH 4054
   - PHY 2053C, 2054C
   - EDC 2048, 2049C

   **Those students interested in pursuing graduate or professional education are encouraged to select the following courses.**

   Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:

   - BCH 4054
   - MCB 3023, 3203L
   - MCB 3063
   - MCB 4312
   - MCB 4503C
   - MCB 4970H
   - MCB 5205
   - MCB 5225
   - MLS 3305

   **Preprofessional requirements**

   Burnett College of Biomedical Sciences

   University of Central Florida

   Chair: P. E. Kolattukudy

   Students desiring admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.
5. Departmental Exit Requirements
To be eligible for a major in Molecular Biology and Microbiology, Preprofessional Concentration:

- A student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

6. Electives (variable)

7. Foreign Language Requirements (0-8 hrs)
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Biology, Chemistry, Medical Lab Science

Related Minors: Biology, Chemistry

Transfer Notes:
Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University's requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

Honors in the Major
- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution
- Complete BSC 3404H “Quantitative Biological Methods” with a grade of B or better (4 credits)
- Complete MCB 4970H “Honors Thesis” with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits)

Tentative Course Schedule for Entering Freshmen

Freshman Year

Fall 13 hrs Spring 16 hrs
- ENC 1101 3 ENC 1102 3
- PSY 1020 or SYG 2000 3 SLS 2311C 2
- or ANT 2000 3 CHM 2046 3
- CHM 2046 4 CHM 2046L 1
- MAC 1105 or elective 3 BSC 2010C 4
- or elective 3 MAC 1114 or elective 3

Sophomore Year

Fall 14/15 hrs Spring 15 hrs
- CHM 2210 3 CHM 2211 3
- MCB 2020C 5 CHM 221L 2
- MAC 221I or MAC 2253 4/3 STAT 2023 or CGS 1060C 3
- EUH 2000 or AMH 2010 4 BSC 3403 4
- or WOH 2012 or HUM 2210 3 EUH 2001 or AMH 2020 4
- or HUM 2230 or WHO 2202

Plan your required 9 summer hours into your course of study

Junior Year

Fall 17 hrs Spring 16/17 hrs
- PCB 3522 3 PCB 4524 3
- Restricted Elective 3 PCB 2439 + PCB 3233L 4
- PHY 2053C or PHY 2048* 4 PHY 2045C* 4
- and 2048L 4 or PHY 2049C, 2049L
- BSC 2011C 4 Restricted Elective 2
- ECO 2013 or POS 2041 3 Restricted Elective 3/4

*Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year

Fall 15/16 hrs Spring 12/15 hrs
- MCB 4414 3 Restricted Elective 3/4
- BCH 4053 3 Restricted Elective 3/4
- Restricted Elective 3/4 SPC 1600* or SPC 1016 3
- Cultural/Historical 3 *recommend SPC 1016

MOLECULAR BIOLOGY AND MICROBIOLOGY-UCF/USF Accelerated Medical School Program (B.S.) (See “Accelerated Programs”)

MOTION PICTURE TECHNOLOGY
(See Film)

MUSIC (B.A.)

College of Arts and Humanities
Department of Music, CNH 205A
http://www.cas.ucf.edu/music/
E-mail: music@mail.ucf.edu
Eugene Montague, E-mail: emontagu@mail.ucf.edu, 407-823-1145
Scott Warfield, E-mail: swarfield@mail.ucf.edu, 407-823-1144

Requirements for Admission

- Each student must complete and pass an interview with either a B.A. advisor or the Department Chair.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department.
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor for course selections.
- Courses designated in 1 (General Education Program) are usually spread over the full four years.
- Courses designated in 2 (Common Program Prerequisites) are
1. UCF General Education Program (36 hrs)

(see General Education Program for detailed information)

A. Communication Foundations
- Select one course from 1.B.1 list
- Select MUS 4212 History and Literature II
- Select one course from 1.B.1 or 1.B.2 list

B. Cultural and Historical Foundations

C. Mathematical Foundations
- Prefer MGF 1106 Finite Mathematics (may substitute a higher level math)
- Prefer STA 1060C Statistics Using Excel

D. Social Foundations

E. Science Foundation

2. Common Program Prerequisites (20-24 hrs)

MUT 1111* Music Theory IA 2 hrs
MUT 1112* Music Theory IB 2 hrs
MUT 1241* Ear Training & Sight Singing IA 1 hr
MUT 1242* Ear Training & Sight Singing IB 1 hr
MUT 2116* Music Theory IA 2 hrs
MUT 2117* Music Theory IB 2 hrs
MUT 2246* Ear Training & Sight Singing IA 1 hr
MUT 2247* Ear Training & Sight Singing IB 1 hr
MUN XXXX Ensembles 4 hrs
MVK 1111-2121-3131-4141* Class Piano I-II-III-IV 0-4 hrs
MVX XXXX Secondary Performance 4 hrs

*See Transfer Notes for possible substitutes

3. Core Requirements (6 hrs)

MUS 1010 Music Forum (four semesters) 0 hrs
MUS 3571 20th Century Musical Analysis 3 hrs
MVX XXXX Secondary Performance CPP
MUN XXXX Ensembles CPP
MUH 4211 History & Literature I 3 hrs
MUH 4212 History & Literature II GEP

4. Restricted Electives-Music (12-16 hrs)

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 (9 hrs)

Select primarily from upper-level courses, with departmental advisor’s approval. Prefer courses within related arts and humanities departments including Art, Digital Media, English, Film, Modern Languages, History, Philosophy, and Theater.

6. Electives (variable)

Select primarily from upper-level courses. A maximum of six (6) hours may be taken in music. All other hours must be taken outside the department.

7. Minor Ensemble Participation

- If minor ensemble is taken at UCF, the two semester hours of credit must be completed in two separate semesters
- If minor ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester
- Minor ensembles include: Brass, Percussion, Piano, String, Vocal (except Opera Workshop), Woodwind, and Jazz Lab

8. Departmental Exit Requirements (3 hrs)

- MUS 4XXX Capstone/Senior Thesis Project 3 hrs
- Earn a grade of “C” (2.0) or better in each Music course
- Computer Competency met by STA 1060C, or departmental examination

9. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement
Graduation: Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examination for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Music Education, Music (BM), Theatre, Musical Theatre

Related Minors: Music, Theatre

Transfer Notes:

- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- MUT 1111*, MUT 1112*: May use MUT 1121, MUT 1122. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective.
- MUT 1241*, MUT 1242*: May use MUT 1221, MUT 1222, or MUT 1261, MUT 1262 or MUT 1271, MUT 1272.
- MUT 2116*, MUT 2117*: May use MUT 2126, MUT 2127. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective.
- MUT 2246*, MUT 2247*: May use MUT 2226, MUT 2227, or MUT 2266, MUT 2267, or MUT 2276, MUT 2277.
- MVK 1111, MVK 2121*: May use MVK 1112, MVK 2122 or MVK 1211, MVK 2221

Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

Fall
ENC 1101 Composition I 3
HUM 2170* req# 1B1-GEP
MGF 1106* req# 1C1-GEP
MUN 3143* req# 2-CPP
MUT 1111* Music Theory IA 2
MUT 1241 Ear Train Sing IA 1
MVK 1111 Class Piano I 1
MVW 1211* req# 2-CPP 1
MUS 1010 Music Forum 0

Spring
ENC 1102 Composition II 3
HUM 2230* req# 1B2-GEP 3
MGF 1106* req# 1C2-GEP 3
MUN 3143* req# 2-CPP 1
MUT 1221 Music Theory IA 2
MUT 1242 Ear Train Sing IB 1
MVK 2121 Class Piano II 1
MVW 1211* req# 2-CPP 1
MUS 1010 Music Forum 0

Sophomore Year

Fall
MUS 1010 Music Forum 0
PSC 1121* req# 1E1-GEP 3
HUM 2230* req# 1B1-GEP 3
MGF 1106* req# 1C1-GEP 3
MUN 3143* req# 2-CPP 1
MUT 1221 Ear Train Sing IA 1
MVK 1111 Class Piano I 1
MVW 1211* req# 2-CPP 1
MUS 1010 Music Forum 0

Spring
ENC 2201 Composition III 3
HUM 2230* req# 1B2-GEP 3
MGF 1106* req# 1C2-GEP 3
MUN 3143* req# 2-CPP 1
MUT 1222 Music Theory IB 2
MUT 1243 Ear Train Sing IB 1
MVK 2121 Class Piano II 1
MVW 1211* req# 2-CPP 1
MUS 1010 Music Forum 0

Junior Year

Fall
MUT 2241* req# 4-ResElec 2
MVK 2221 Class Piano III 1
MVW 1211* req# 2-CPP 1
MUS 1010 Music Forum 0

Spring
ENC 2231 Composition IV 3
HUM 2230* req# 1B1-GEP 3
MGF 1106* req# 1C1-GEP 3
MUN 3143* req# 2-CPP 1
MUT 1222 Music Theory IB 2
MUT 1243 Ear Train Sing IB 1
MVK 2121 Class Piano II 1
MVW 1211* req# 2-CPP 1
MUS 1010 Music Forum 0

Graduation:

Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examination for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one
<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 3571 20th Cent Mus Anal</td>
<td>3</td>
<td>ANT 2511* req# 1E2-GEP</td>
</tr>
<tr>
<td>MUN 4476* req# 4-ResElec</td>
<td>1</td>
<td>MUN 4476* req# 4-ResElec</td>
</tr>
<tr>
<td>MUN 4510* req# 4-ResElec</td>
<td>2</td>
<td>MUN 4510* req# 4-ResElec</td>
</tr>
<tr>
<td>THE 2000* req# 5-RE-Arts</td>
<td>3</td>
<td>MUN 4510* req# 4-ResElec</td>
</tr>
<tr>
<td>THE 2424* req# 5-RE-Arts</td>
<td>3</td>
<td>MUN 4476* req# 4-ResElec</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
<td>Capstone Thesis See catalog.</td>
</tr>
</tbody>
</table>

**MUSIC EDUCATION (B.M.E.)**

**College of Arts and Humanities**

**Department of Music, CNH 205A**

**http://www.cas.ucf.edu/music/**

**E-mail:** music@mail.ucf.edu

A. Holcomb, 407-823-4180, Fax 407-823-3378

E-mail: aholcomb@mail.ucf.edu

**Admission Requirements - Music Education-Pending**

- Audition. To be accepted into Music Education-Pending, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided by special request only.
- Each candidate must bring his/her own audition music. Accompanists are provided by special request only.
- The audition will serve as a placement exam for accepted candidates.
- Demonstrate professional, vocal, and aural skill proficiency in an interview with Music Education faculty.

**Admission Requirements**

- Music Education (Professional Program) Students who wish to be accepted into the Music Education Professional Program must complete the following requirements:
- Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or better in each performance, education, and music education course.
- Have on file in the University admissions office passing scores on all 4 parts of the College Level Academic Skills Test (CLAST) or the General Knowledge Test of the Florida Teacher Certification Examination.
- Must meet the College of Education’s requirements for admission to Internships I and II (see College of Education, Office of Clinical Experiences).
- Pass the Music Education Proficiency (taken during completion of Performance I)

**Note:** Students who change degree programs and select this major must adopt the most current catalog.

**Degree Requirements**

### 1. UCF General Education Program (36 hrs)

<table>
<thead>
<tr>
<th>A. Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1600 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>B. Cultural-Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANH 1010 U.S. History 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANH 2025 U.S. History 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN 4212 History and Literature I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C. Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C Basic Statistics Using Excel</td>
<td></td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td></td>
</tr>
</tbody>
</table>

### D. Social Foundations | (6 hrs) |

| POS 2041 American National Government | 3 hrs |
| PSY 2012 General Psychology | 3 hrs |

### E. Science Foundations | (6 hrs) |

<table>
<thead>
<tr>
<th>PSC 1121 Physical Science</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511 The Human Species or</td>
<td></td>
</tr>
<tr>
<td>BSC 1005 Biological Principles</td>
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</tbody>
</table>

**Note:** See laboratory component under Section 2.

### 2. Common Program Prerequisites (19 hrs)

<table>
<thead>
<tr>
<th>A. Communications</th>
<th>(0 hrs)</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>PCP 1500 Fundamentals of Oral Communication</td>
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</table>

<table>
<thead>
<tr>
<th>B. Humanities</th>
<th>(3 hrs)</th>
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<tbody>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUH 4212 History and Literature II</td>
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</table>

### C. Mathematics | (3 hrs) |

<table>
<thead>
<tr>
<th>MAC 1105 College Algebra</th>
<th>3 hrs</th>
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<tbody>
<tr>
<td>MGF 1106 Finite Mathematics</td>
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</tr>
<tr>
<td>One of the following (per GEP)</td>
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</tr>
<tr>
<td>STA 1060C Basic Statistics Using MS Excel</td>
<td></td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td></td>
</tr>
</tbody>
</table>

### D. Social Science/History | (0 hrs) |

| AMH 2010 U.S. History 1492-1877 | |
| AMH 2020 U.S. History 1877-present | |
| POS 2041 American National Government | |
| PSY 2012 General Psychology | |

### E. Science | (4 hrs) |

<table>
<thead>
<tr>
<th>PSC 1121 Physical Science</th>
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</thead>
<tbody>
<tr>
<td>One of the following (per GEP)</td>
<td></td>
</tr>
<tr>
<td>ANT 2511 The Human Species or</td>
<td></td>
</tr>
<tr>
<td>BSC 1005 Biological Principles</td>
<td></td>
</tr>
</tbody>
</table>

Select one: | 3 hrs |

| AST 2002 Astronomy or | |
| GLY 1030 Geology and its Applications | 1 hr |

<table>
<thead>
<tr>
<th>Select one associated science lab</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005L Biological Principles Laboratory</td>
<td></td>
</tr>
<tr>
<td>SPG 1121L Physical Science Laboratory</td>
<td></td>
</tr>
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</table>

### F. Education Courses | (9 hrs) |

<table>
<thead>
<tr>
<th>EDF 2005 Introduction to Education</th>
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<tbody>
<tr>
<td>Take section designated for Music Education Pending Majors</td>
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</tr>
<tr>
<td>EDG 2701 Teaching Diverse Populations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Intro to Educational Technology</td>
<td>3 hrs</td>
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</tbody>
</table>

### G. International/Diversity Courses | |

### 3. Other Program Prerequisites (27 hrs)

<table>
<thead>
<tr>
<th>MUN XXXX Major Ensembles (4 semesters)</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1111 Music Theory IA</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 1112 Music Theory IB</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 2115 Music Theory IIA</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 2117 Music Theory IIB</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 1241 Ear Training &amp; Sight Singing IA</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUT 1242 Ear Training &amp; Sight Singing IB</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUT 2246 Ear Training &amp; Sight Singing IIA</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUT 2247 Ear Training &amp; Sight Singing IIB</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 4121 Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 4122 Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 4123 Class Piano III</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 4124 Class Piano IV</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK XXXX Performance (4 semesters)</td>
<td>8 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements | (37 hrs)

<table>
<thead>
<tr>
<th>MUN XXXX Major Ensembles (2 semesters)</th>
<th>2 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010 Music Forum (6 semesters)</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MV XXXX Performance (2 semesters)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUG 3104 Basic Conducting</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUG 4211 History &amp; Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN 4212 History &amp; Literature II</td>
<td></td>
</tr>
<tr>
<td>MUE 2440 String Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUE 2450 Woodwind Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUE 2460 Brass Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUE 2470 Percussion Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>EDF 4214 Classroom Learning Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603 Analysis of Critical Issues in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4323 Professional Teaching Practices</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080 Teaching LEP Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043 Teaching Reading in the Content Area</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESE 3940 Internship I - Secondary</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUE 4311 Elementary School Music Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUE 4330 Secondary School Music Methods</td>
<td>2 hrs</td>
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</tbody>
</table>

### 5. Special Requirements | (15 hrs)

Complete one program:

**Program A - Instrumental**

<table>
<thead>
<tr>
<th>MCV 1111 Class Voice (or proficiency)</th>
<th>0-1 hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUG 3302 Instrumental Conduct &amp; Materials</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUE 4480C Marching Band Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>ESE 4943 Internship II - Secondary</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

**Program B Choral**
Students are expected to provide their own transportation to assigned locations. Students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental) before taking Internship I.

8. Departmental Exit Requirements

- Pass the Professional Education and Subject Area subtests of the Florida Teacher Certification Examination.
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each music course.
- A grade of “B” (3.0) or better in each performance, education, and music education course.
- Computer competency is met through MUS 2360C.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.

9. Foreign Language Requirements

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation: None

10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits admitted

11. Total Semester Hours Required 134 hours

Related Programs: Music, Music (BFA), Theatre

Related Minors: Music, Theatre

Transferring to UCF: Courses taken at community colleges do not substitute for Upper Division courses

Students transferring to UCF must pass the Music Education Proficiency in order to be accepted as a Music Education major

Students transferring from a Florida Public Community College are cautioned to pay careful attention to the General Education and Common Program Prerequisites sections because the revision of State Board of Education Rule 6A-5.066 has made programs highly prescriptive, which may result in additional coursework to satisfy degree requirements.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

- MUE 2040*: May use equivalent course or proficiency
- MUT 1111*, MUT 1112*: May use MUT 1121, 1122. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective
- MUT 1241*, MUT 1242*: May use MUT 1221, 1222, or MUT 1261, 1262, or MUT 1271, 1272
- MUT 2116*, MUT 2117*: May use MUT 2126, 2127. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective
- MUT 2246*, MUT 2247*: May use MUT 2226, 2227, or MUT 2266, 2267, or MUT 2276, 2277
- MVK 1111, 2121*: May use 1112, 2122 or MVK 1211, 2221

Note: Education majors are required to take six hours (in addition to
EDG 2701) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

**Note:** Students must take a Natural Science class with the lab and should select a course that fulfills the GEP requirement.

**MUSIC PERFORMANCE (B.M.)**

Department of Music, CNH 205

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

E-Mail: music@mail.ucf.edu

John Almeida, E-mail: hbbja@msn.com; 407-823-2510

George Weremchuk, E-mail: gweremch@mail.ucf.edu

407-823-5261; Fax 407-823-3378

**Audition Requirements for Admission**

- Each student must audition and demonstrate advanced proficiency by performing compositions representing a variety of musical periods.
- Memorization is required for pianists and vocalists.
- Accompanists are provided by special request only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string bass, or timpani for these auditions.
- The audition will serve as a placement examination for accepted candidates.
- In addition, composition students must submit a portfolio of compositions representing works in small and/or large forms.
- The audition and examination scores will serve as a placement examination for accepted candidates.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department.
- Performance and composition students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program** (36 hrs)

(see General Education program for detailed information)

A. Communication Foundations
   - Select SPC 1000
   - 9 hrs

B. Cultural and Historical Foundations
   - Select one course from B.1.1 list
   - 3 hrs
   - Select MUN 4212 History and Literature II
   - 3 hrs
   - Select one course from B.1.1 or B.1.2 list
   - 5 hrs

C. Mathematical Foundations
   - Prefer MGF 1106 Finite Mathematics
   - (may substitute a higher level math)
   - 3 hrs
   - Prefer STA 1000C Statistics Using Excel
   - 3 hrs

D. Social Foundations
   - 6 hrs

E. Science Foundations
   - 6 hrs

**2. Common Program Prerequisites** (24 hrs)

- MUT 1111* Music Theory IA
  - 2 hrs
- MUT 1122* Music Theory IB
  - 2 hrs
- MUT 1241* Ear Training & Sight Singing IA
  - 1 hr
- MUT 1242* Ear Training & Sight Singing IB
  - 1 hr
- MUT 2116* Music Theory IIA
  - 2 hrs
- MUT 2117* Music Theory IIB
  - 2 hrs
- MUT 2240* Ear Training & Sight Singing IIA
  - 1 hr
- MUT 2247* Ear Training & Sight Singing IIB
  - 1 hr
- MUN XXXX Major Ensemble (four semesters)
  - 4 hrs

(Piano students take MUN 3453, guitar students take MUN 3483)

**MVB/MVK/MVP/ MVS/MVM/ MVW**

- Performance or composition (four including two semesters of Level IV)
  - 8 hrs
  - MUN XXXX Major Ensembles
  - 2 hrs

**3. Core Requirements** (18 hrs)

- MVK 3131 Class Piano III
  - 1 hr
- MVK 4141 Class Piano IV
  - 1 hr
- MUS 1010 Music Forum (eight semesters)
  - 0 hrs
- MUT 3571 20th Century Musical Analysis
  - 3 hrs

**MVB/MVK/MVP/ MVS/MVM/ MVW**

- Performance or composition (four including two semesters of Level IV)
  - 8 hrs
- MUN XXXX Major Ensembles
  - 2 hrs

(Piano students take MUN 3453, guitar students take MUN 3483)

- MUG 3104 Basic Conducting
  - 2 hrs
- MUN 4211 History & Literature I
  - 3 hrs
- MUN 4212 History & Literature II
  - GEP

**4. Specialty Requirements:** (24 hrs)

**Piano**

- MUL 3432 String Literature
  - 2 hrs

**Guitar**

- MVS 4640 String Pedagogy
  - 2 hrs

**Voice**

- MUG 3140 French Diction
  - 1 hr
- GER 1005 German Diction
  - 1 hr
- ITA 1005 Italian Diction
  - 1 hr
- MUS 4460 Voice Pedagogy I
  - 1 hr
- MUS 4641 Voice Pedagogy II
  - 1 hr
- MUL 3603 Amer./English Song Literature
  - 1 hr
- MUL 3604 German Song Literature
  - 1 hr
- MUL 3605 French Song Literature
  - 1 hr

**5. Restricted Electives** (See above)

- Any secondary performance course not in area of major instrument or

**U.S. General Education Program**

- 407-823-2510; Fax 407-823-3378

---

*See Transfer Notes for possible substitutes*
UCF Degree Programs

- Any MUC, MUE, MUG, MUH, MUL, MUN, MUS, MUT courses numbered 3000 or higher.

6. Special Non-Course Requirements

Major Ensemble Participation
- Selected from University Chorus, Symphony Orchestra, Concert Band, Symphonic Wind Ensemble, and Marching Band.
- Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble directors.
- Transfer students must take Major Ensemble during each of their remaining semesters.
- Native UCF students must take each Major Ensemble credit in a separate semester.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the four semester hours of credit must be spread over at least three separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, String, Vocal (except Opera Workshop), Woodwind, Jazz, Women’s and Early Music Ensemble.

Results
- Each student must perform two faculty-approved public recitals: a junior recital of 30 minutes length and a senior recital of 45 minutes length. Composition majors must present original musical compositions by the student.

7. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by CGS 1060C, or departmental examination.

8. Foreign Language Requirements
- (0-8 hrs)

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

9. Electives
- (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hours

Related Programs: Music Education, Music (BA), Theatre
Related Minors: Music, Theatre

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- MUT 1111*, MUT 1112*: May use MUT 1121, 1122. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective.
- MUT 1241*, MUT 1242*: May use MUT 1221, 1222, or MUT 1261, 1262 or MUT 1271, 1272.
- MUT 2116*, MUT 2117*: May use MUT 2126, 2127. Note: Since these courses are three credits at some schools, the extra credit transfers as a free elective.

- MUT 2246*, MUT 2247*: May use MUT 2226, 2227, or MUT 2266, 2267, or MUT 2276, 2277.
- MVK 1111, 2121*: May use 1112, 2122 or MVK 1211, 2221

NURSING (B.S.N.)

A. BASIC PROGRAM

(For individuals who are not Registered Nurses)

College of Health and Public Affairs

HPA 220, 407-823-2744
http://www.cohpa.ucf.edu/nursing/

Director: Jean Leuner
Undergraduate Coordinator: Patricia Leli
E-mail: ucfnurse@mail.ucf.edu

Admission Requirements

Limited Access

Acceptance to the university does not constitute admission to the upper division nursing program.

Separate application to the limited access program must be made directly to the School of Nursing prior to February 1 of the year admission is sought for the Orlando Campus and June 1 the prior year for January admission on the Brevard and Daytona Campus (see information on Accelerated Second Degree program for deadline)

Application for admission to the University must also be submitted by the program deadline.

Student must complete all general education, foreign language, and program prerequisite requirements prior to the start of the program. Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Three prerequisite science courses must be completed by the program application deadline.

The School of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the nursing office for an appointment with a basic faculty advisor.

All applicants must have a minimum overall GPA of 2.80, and complete all program prerequisite courses with a grade of “C” (2.0) or better.

Early acceptance may be offered to First-Time-in-College (FTIC) students during their sophomore year and to students in the Military Enlisted Commissioning Program (MECP). For specific information about early acceptance, contact the School of Nursing.

Graduates are eligible to apply to take the licensing examination for registered nurses (NCLEX). The program is accredited by the Commission on Collegiate Nursing Education and approved by the Florida State Board of Nursing.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.

Students should consult with a School of Nursing advisor for clarification of questions regarding prerequisite requirements which cannot be answered by college advisors.

The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other universities, and should be completed in the first 60 hours.

A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program.

UCF Residency Requirement: 30 hours

Any variation from the stated prerequisites must be approved in writing by the School of Nursing. Petition forms are available in
### 1. UCF General Education Program (36 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 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 2044C</td>
<td>Health Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1030L</td>
<td>General Chemistry and lab**</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2014C or 2023</td>
<td>Principles of Statistics**</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*May take Anatomy and Physiology sequence of six-eight total credits.

**Also meets General Education Requirements. The first semester of a two semester general chemistry course 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 (22 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology**</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Sociology**</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 2044C</td>
<td>Health Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1030L</td>
<td>General Chemistry and lab**</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2014C or 2023</td>
<td>Principles of Statistics**</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*May take Anatomy and Physiology sequence of six-eight total credits.

**Also meets General Education Requirements. The first semester of a two semester general chemistry course 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

Students currently enrolled in the nursing program will complete the following core requirements (63 hrs):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3020L</td>
<td>Therapeutic Interv. for Health Prof.</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Promoting Physical &amp; Mental Health</td>
<td>5 hrs</td>
</tr>
<tr>
<td>NUR 3235L</td>
<td>Clin Pract in Prof Phys/Mental Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 3616</td>
<td>Promoting Healthy Families</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3616L</td>
<td>Clin Pract in Prof Healthy Fam</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3617</td>
<td>Promoting Healthy Communities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3826</td>
<td>Role of the Professional Nurse</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3828</td>
<td>Pathophysiology &amp; Pharmacology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>NUR 4525</td>
<td>Nursing Intervention in Mental Illness</td>
<td>5 hrs</td>
</tr>
<tr>
<td>NUR 4525L</td>
<td>Clinical Practice w/Mental Illness Client</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4636</td>
<td>Community as the Continuum of Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4636L</td>
<td>Clinical Pract in Comm.-Orient Nurs</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4745</td>
<td>Nursing Care of Clients w/Acute Ill.</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4745L</td>
<td>Clinical Practice in Acute Illness</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4827</td>
<td>Leadership &amp; Management Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4949L</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4935</td>
<td>Role Transition</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4937</td>
<td>Health Care Issues, Policy, &amp; Econ</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4937L</td>
<td>Nursing Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*Some NUR 4937L placements require an elective to be taken concurrently.

### 4. Upper Division Restricted Electives (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR XXXX</td>
<td>Nursing Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4932 ST</td>
<td>Nursing Care of the Adult II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4932L ST</td>
<td>Nursing Care of the Adult II Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4932 ST</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4932L ST</td>
<td>Psychiatric Mental Health Nursing Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4932 ST</td>
<td>Leadership, Management and Role Transition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4932L ST</td>
<td>Introduction to Critical Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4932 ST</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4932L ST</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4956</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Any variation from the above must be approved by the school of Nursing.

### 5. Departmental Continuation and Exit Requirements

Completion of all courses in major in a major of a grade of “C” (2.0) or better:

- UCF GPA of 2.5 or above
- School of Nursing GPA of 2.5 or above

### 6. Electives None

### 7. Foreign Language Requirements (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: None

### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in 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 121 hours

**Related Programs:** Health Services Administration, Social Work, all health programs

**Related Minors:** Aging Studies Certificate, Psychology, Health Sciences, Health Services Administration

### Transfer Notes

Examples of Community College Equivalent Courses - Prerequisites

- General Psychology (PSY X012) or any General Psychology course
- General Sociology (SYG 2000) or any Intro to Sociology course
- General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab)*
- General Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC 2095/2096)
- General Microbiology (MCB 2020C) (MCB X012) w/lab or any Microbiology course w/lab
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course
- Human Nutrition with therapeutic nutrition focus

**Prerequisites:**

- Psychology course
- Sociology course
- Statistics course
- General Chemistry course
- General Anatomy and Physiology
- General Microbiology course
- Developmental Psychology course
- Human Nutrition course

**The first semester of a two semester general chemistry course does not meet requirement.**

**Note:** A grade of “C” (2.0) or better is required in all prerequisite courses.

**Honors 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 20 semester hours of college credit, including 12 graded upper division hours at UCF

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**UCF Degree Programs**

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Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Freshman Year

Fall  16 hrs  Spring  14 hrs
SYG 2000 3  CHM 1032L 3/1
ENC 1101 3  ENC 1102 3
MAC 1105 3  STA 2014C or STA 2023 3
BSC 2010C 4  ZOO 3733C 4
PSY 2012 3

Sophomore Year

Fall  16 hrs  Spring  13 hrs
POS 2041 or 3  EUI 2001 or 3
ECO 2013 or ECO 2023 or HUM 2230 or 3
EHU 2000 or or AMH 2020 or WOH 2022 3
or AMH 2010 or WOH 2012
PCC 3703C 4  *SPC 1600 3
SOW 3104 or 3  (One Course) 3
DEP 2004 3
HUN 3011 3

Junior Year

Fall  15 hrs  Spring  16 hrs
NUR 3825 2  NUR 3930 ST 3
NUR 3065 2  NUR 3930 ST 3
NUR 3065L 1  NUR 3930 ST 3
NUR 3930 ST 2  NUR3930L ST 2
NUR 3930L ST 3  NUR 3930 ST 3
NUR 3930L ST 3  NUR 3930L ST 3
NUR 3930L ST 2
NUR 3930L ST 2

Summer C/D 6-9 hrs
NUR 3105 3
NUR 3930 ST and/or 3
NUR 4037 3

Senior Year

Fall  14-17 hrs  Spring  13-16 hrs
NUR 4832 ST 3  NUR 4932 ST 3
NUR 4932L ST 3  NUR 4932 ST 3
NUR 4932 ST 3  NUR 4932 ST 2
NUR 4932L ST 2  NUR 4932L ST 1
NUR 4837 3  NUR 4595 4
NUR 4932 ST 3  NUR 4932 ST (if not already taken) 3

NURSING (B.S.N.)

B. RN TO BSN PROGRAM

Completion program for individuals who are licensed RN’s.

College of Health and Public Affairs
HPA1 220, 407-823-2744
http://www.cohpa.ucf.edu/nursing/
RN to BSN Coordinator: Linda Hennig
E-mail: ucfnurse@mail.ucf.edu

This program is also currently available online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements

Limited Access

Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the School of Nursing. All applicants must have:

- Admission to UCF undergraduate program
- Graduation from an approved or accredited associate degree or diploma nursing program
- Current Licensure as an RN (or eligible)
- Progress toward the UCF general education requirements, an AA degree from a Florida Community College, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS)
- Completion of all sections of CLAST (or Exempt)

- A minimum overall GPA of 2.5
- Completion of program prerequisite courses with at least a grade of “C” (2.0) or better

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements
- Students should consult with a School of Nursing advisor for clarification of questions regarding prerequisite requirements which cannot be answered by college advisors
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other universities
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the Nursing major are required for continuation in and graduation from the University
- UCF Residency Requirement: 30 hours
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

1. UCF General Education Program  (36 hrs)

A. Communication Foundations  9 hrs
B. Cultural Historical Foundations  9 hrs
C. Mathematical Foundations  6 hrs
   - MAC 1105
   - 1. Select MAC 1105
   - 2. Select STA 2014C or STA 2023
D. Social Foundations  6 hrs
   - Select SYG 2000 or PSY 2012
   - Select one: ECO 2013 or ECO 2023 or POS 2041
E. Science Foundations:  6 hrs
   - Select BSC 2010C
   - Select CHM 1032

2. Common Program Prerequisites  21 hrs

   PSY 2012 General Psychology** GE
   SYG 2000 Sociology** GE
   MCB 2004C Health Microbiology 4 hrs
   CHM 1032L General Chemistry and lab** GE
   ZOO 3733C Human Anatomy* 4 hrs
   PCB 3703C Human Physiology 4 hrs
   STA 2014C or 2023 Principles of Statistics** GE
   SOW 2104 Assessing Human Development and/or DEP 2004 Developmental Psychology 3 hrs
   HUN 2111 Human Nutrition 3 hrs

   *May take Anatomy and Physiology sequence of six-eight total credits.
   **Also meets General Education Requirements:
   Applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements  (55 hrs)

   NUR 3065 Transitional Concepts in Nursing I 3 hrs
   NUR 3065 Health Assessment 2 hrs
   NUR 3065L Health Assessment Lab 1 hr
   NUR 3165 Critical Inquiry 3 hrs
   NUR 4084 Transitional Concepts in Nursing II 3 hrs
   NUR 4065 Community as Continuum of Care 3 hrs
   NUR 4636L Clin Pract in Comm-Oriented Nursing 2 hrs
   NUR 4827 Leadership and Management Principles 3 hrs
   NUR 4837 Health Care Issues, Policy, & Econ 3 hrs
   NUR 4812C Practicum & Role Development for RNs 4 hrs

   Validated Credit  28 hrs

4. Upper Division Restricted Elective  (3 hrs)
   NUR XXX Any Nursing Elective 3 hrs

5. Departmental Exit Requirements

   Completion of all courses in major with a grade of “C” (2.0) or better
   - UCF GPA of 2.5 or above
   - School of Nursing GPA of 2.5 or above

6. Electives  none

7. Foreign Language Requirements  (0-8 hrs)

   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation:  none

- 2006-2007 Undergraduate Catalog
8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Health Services Administration, Social Work, All health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Sample Plan of Study

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR3005</td>
<td>NUR3165</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>UR 3065</td>
<td>NUR 4827</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>1</td>
</tr>
</tbody>
</table>

Semester III
- NUR 4084
- NUR XXXX (elective)
- 3

Semester IV
- NUR 4636
- NUR 4636L
- 3
- 3

Semester V
- NUR 4637
- NUR 4812C
- 3
- 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 3005 and Statistics course with grade of “C” (2.0) or better.
- Prior to NUR 4084:
  - Be admitted to the nursing program
  - Complete general education requirements or A.A. from a Florida state community college or university (SUS)
  - Complete CLAST(or exempt)
  - Complete Foreign language admission requirement

Other
- Selected courses may be offered and at regional campuses of Daytona and Cocoa.

The RN-BSN coursework is also offered via the Internet. Some on-campus labs and clinical practica may be required. For further information access http://www.cohpa.ucf.edu/nursing/

NURSING ACCELERATED

C. RN TO MSN OPTION
Note: For detailed information about this program, see description in the UCF Accelerated Degree Programs section.

NURSING (B.S.N.)

D. AS TO BSN TRACK
Note: For detailed information about this program, see description in the AS to BS Program section.

ORGANIZATIONAL COMMUNICATION (B.A.)
See Interpersonal/Organizational Communication.

PHILOSOPHY (B.A.)

College of Arts and Humanities
Philosophy Department, CNH 411
http://www.cas.ucf.edu/philosophy
E-mail: philosophy@ucf.edu
Don Jones or Jennifer Mundale, 407-823-2273; Fax: 407-823-6658

Admission Requirements: none

Degree Requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)
- Communication Foundations 9 hrs
- Cultural and Historical Foundations
  - Select HUM 2210 Human Traditions I 3 hrs
  - Select HUM 2230 Human Traditions II 3 hrs
  - Select PHI 2010 Intro to Philosophy 3 hrs
- Mathematical Foundations
  - Prefer MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
  - Prefer STA 1060C Statistics Using Excel 3 hrs
- Social Foundations 6 hrs
- Science Foundations 6 hrs

2. Common Program Prerequisites: none

3. Core requirements* (36 hrs)
   a. Core (0 hrs)
      - HUM 2210 Human Traditions I GEP
      - HUM 2230 Human Traditions II GEP
      - PHI 2010 Intro to Philosophy GEP
   b. Philosophical Foundations: (12 hrs)
      - Select 12 hours, including at least three hours from each group:
        - Reasoning
          - PHI 2011 Philosophical Reasoning
          - PHI 2101 Critical Thinking
          - PHI 2101 Formal Logic I
          - Ethics
            - PHI 3670 Ethical Theory
        - Knowledge
          - PHI 3320 Philosophy of Mind
          - PHI 4341 Ways of Knowing
          - PHI 4300 Theories of Knowledge
          - PHI 4500 Metaphysics
        - Research Methods
          - PHI 3083 Research Methods in Philosophy (6 hrs)
        - Disciplinary and Interdisciplinary Knowing
          - Select two courses:
            - PHM 3401 Philosophy of Law
            - PHI 3700 Philosophy of Religion
            - PHI 4400 Philosophy of Science
            - PHI 4420 Philosophy of Social Science
            - PHI 3451 Philosophy of Psychology
            - PHI 3800 Aesthetics
          - Applications (9 hrs)
            - Select three courses:
              - HUM 4330 Performance Theory
              - PHI 3526 Ethics in Science & Technology
              - PHI 3022 Sexuality, Gender & Philosophy
              - PHI 3033 Philosophy, Religion, and the Environment
              - PHI 3638 Ethical Issues in the 21st Century
              - PHI 3640 Environmental Ethics
              - PHI 3941 Philosophy Practicum
              - PHI 4321 Philosophies of Embodiment: Mind/Body/Self
              - PHI 4931 Philosophy in the News

To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

PHI 4938 Senior Research Seminar (3 hrs)

Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department

Students must earn at least a “C” (2.0) in each required course

Prior departmental approval

Select at least three hours from each group:

Reasoning
- PHI 2011 Philosophical Reasoning
- PHI 2101 Critical Thinking
- PHI 2101 Formal Logic I

Ethics
- PHI 3670 Ethical Theory

Knowledge
- PHI 3320 Philosophy of Mind
- PHI 4341 Ways of Knowing
- PHI 4300 Theories of Knowledge
- PHI 4500 Metaphysics

Research Methods
- PHI 3083 Research Methods in Philosophy

Disciplinary and Interdisciplinary Knowing
- Select two courses:
  - PHM 3401 Philosophy of Law
  - PHI 3700 Philosophy of Religion
  - PHI 4400 Philosophy of Science
  - PHI 4420 Philosophy of Social Science
  - PHI 3451 Philosophy of Psychology
  - PHI 3800 Aesthetics

Applications
- Select three courses:
  - HUM 4330 Performance Theory
  - PHI 3526 Ethics in Science & Technology
  - PHI 3022 Sexuality, Gender & Philosophy
  - PHI 3033 Philosophy, Religion, and the Environment
  - PHI 3638 Ethical Issues in the 21st Century
  - PHI 3640 Environmental Ethics
  - PHI 3941 Philosophy Practicum
  - PHI 4321 Philosophies of Embodiment: Mind/Body/Self
  - PHI 4931 Philosophy in the News

Don Jones or Jennifer Mundale, 407-823-2273; Fax: 407-823-6658

Graduate Degree Equivalency
- Graduate credit for this major may be earned at other Florida state community colleges or universities (SUS) with prior departmental approval

University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Related Programs: Health Services Administration, Social Work, All health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

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<td>NUR 4827</td>
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<td>2</td>
<td>3</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>1</td>
</tr>
</tbody>
</table>

Semester III
- NUR 4084
- NUR XXXX (elective)
- 3

Semester IV
- NUR 4636
- NUR 4636L
- 3
- 3

Semester V
- NUR 4637
- NUR 4812C
- 3
- 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 3005 and Statistics course with grade of “C” (2.0) or better.
- Prior to NUR 4084:
  - Be admitted to the nursing program
  - Complete general education requirements or A.A. from a Florida state community college or university (SUS)
  - Complete CLAST(or exempt)
  - Complete Foreign language admission requirement

Other
- Selected courses may be offered and at regional campuses of Daytona and Cocoa.

The RN-BSN coursework is also offered via the Internet. Some on-campus labs and clinical practica may be required. For further information access http://www.cohpa.ucf.edu/nursing/

NURSING ACCELERATED

C. RN TO MSN OPTION
Note: For detailed information about this program, see description in the UCF Accelerated Degree Programs section.

NURSING (B.S.N.)

D. AS TO BSN TRACK
Note: For detailed information about this program, see description in the AS to BS Program section.

ORGANIZATIONAL COMMUNICATION (B.A.)
See Interpersonal/Organizational Communication.
PHI 4633 Ethics and Biological Science
PHI 4804 Critical Theory
PHM 3100 Freedom and Justice
PHM 3123 Feminist Theory
PHM 4031 Environmental Philosophy
REL 3111 Religion and Philosophy through Film

b. Reasoning (6 hrs)
Take any two of the following:
PHI 2011 Philosophical Reasoning
PHI 2101 Critical Thinking
PHI 2108 Formal Logic I
PHI 2647 Logic and Ethics
PHI 3131 Formal Logic II

5. Honors in the Major
Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

Core Requirements (36 hrs)
Same requirements as for regular majors but must include PHI 2101 Formal Logic I

Upper division Restricted Electives (6 hrs)
Choose two of the following:
PHH 3100 Ancient Philosophy
PHH 3200 Medieval Philosophy
PHH 3460 Modern Western Philosophy
PHH 3600 Contemporary Philosophy

Same requirements as for regular majors.

Honors Thesis (6 hrs)
PHI 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

6. Departmental Exit Requirements (3 hrs)
- Either PHI 4970H: Honors Thesis (3 hrs) or PHI 4938 Senior Research Seminar.
- Earn a “C” (2.0) or better in each required course.
- Computer Competency met by PHI 4970H, PHI 49514938, or by STA 1060C.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

7. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement.
Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Humanities, Humanities - Philosophy, Religion, Pop Culture Track, Religious Studies
Related Minors: Cognitive Sciences, Environmental Studies, Humanities, Philosophy, Religious Studies, Women’s Studies
Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Suggested Plan of Study:
### Degree Requirements

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>HUM 2210 Hum Tradition I</td>
<td>HUM 2230 Hum Tradition II</td>
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<tr>
<td>MGF 1106* req</td>
<td>1C1-GEP</td>
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<tr>
<td>PHI 2101 Intro to Phil</td>
<td>PHI 2101* req</td>
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<tr>
<td>SPN 1120* req</td>
<td>Lang/Elect</td>
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**Sophomore Year**

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<tr>
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<tbody>
<tr>
<td>BSC 1005* req</td>
<td>1E2-GEP</td>
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<tr>
<td>PSY 2012* req</td>
<td>1D2-GEP</td>
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<tr>
<td>SPC 1600* req</td>
<td>1A3-GEP</td>
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<tr>
<td>PHI 2108 Reasoning</td>
<td>PHI 3670* req</td>
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<tr>
<td>PHI3100* req</td>
<td>3c-History</td>
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**Junior Year**

<table>
<thead>
<tr>
<th>Fall</th>
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</thead>
<tbody>
<tr>
<td>PHI 3083 Res Meth in Phil</td>
<td>PHI 4782* req</td>
</tr>
<tr>
<td>PHH 3600* req</td>
<td>3c-History</td>
</tr>
<tr>
<td>PHI 3320* req</td>
<td>3e-Being</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
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<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
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**Senior Year**

<table>
<thead>
<tr>
<th>Fall</th>
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<tbody>
<tr>
<td>PHP 3768* req</td>
<td>4-ResEle</td>
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<tr>
<td>PHI 4804* req</td>
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<td>Elective* Check restrictions</td>
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<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

### PHOTOGRAPHY (B.S.)

**College of Arts and Humanities**

**E-mail:** ls@mail.ucf.edu

**Advisors:** Kevin Haran (UCF-Orlando), 407-823-2676; Steve Spencer (UCF-Daytona), 386-506-4093

The Photography B.S. program is a joint program between the University of Central Florida and Daytona Beach Community College.

**(This program is only offered at UCF at Daytona Beach)**

### Admission Requirements

Completion of an A.S. in Photographic Technology from Daytona Beach Community College or equivalent coursework.

### Degree Requirements

**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:

<table>
<thead>
<tr>
<th>Category</th>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>ENC 1101 Composition I</td>
<td>AS</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>AS</td>
<td></td>
</tr>
<tr>
<td>SPC 2600* Speech</td>
<td>AS</td>
<td></td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>ARH 2051 History and Criticism of Art II</td>
<td>AS</td>
</tr>
<tr>
<td>MAC 1105 College Algebra</td>
<td>AS</td>
<td></td>
</tr>
<tr>
<td>MGF 2106 College Mathematics</td>
<td>AS</td>
<td></td>
</tr>
<tr>
<td>MGF 2107 Mathematics for Liberal Arts</td>
<td>AS</td>
<td></td>
</tr>
<tr>
<td>Computer Science or Statistics</td>
<td>AS</td>
<td></td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>Political Science or Economics</td>
<td>AS</td>
</tr>
</tbody>
</table>

**2. Common Program Prerequisites** (0 hrs)

Subject to change. Prerequisites have not been set by the state.

**3. AS Required Courses:** (49 hrs)

*(Completed in the A.S. degree program in Photographic Technology, or equivalent coursework.)*

**4. Upper Division Required Courses** (39 hrs)

**5. Upper Division Restricted Electives** (3 hrs)

Select one of the following 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

### PHYSICAL EDUCATION (B.S.)

**College of Education**

**Department of Teaching and Learning Principles**

**ED 209**

http://pegasus.cc.ucf.edu/~ucfphyed/

Program Coordinator: Dr. Patricia Higginbotham

ED 320-H, 407-823-2050

E-mail: higginbp@mail.ucf.edu

**Admission Requirements:**

- Complete the University General Education requirements or its
Degree Requirements:
- Due to recent changes in Florida teacher certification requirements for Physical Education, revisions to program requirements are expected. Students should check with a program advisor before registering for upper division (3/4XXX) courses.

1. UCF General Education Program (37 hrs)
   A. Communication Foundations (9 hrs)
   - ENC 1101 Composition I
   - ENC 1102 Composition II
   - Select SPC 1600 Fundamentals of Oral Communication
   B. Cultural-Historical Foundations (9 hrs)
   - Select AMH 1010 U.S. History 1492-1877
   - Select AMH 2020 U.S. History 1877-Present
   - Select PHI 2010 Introduction to Philosophy
   C. Mathematical Foundations (6 hrs)
   - Select MGF 1106 Finite Mathematics
   - Select one:
     - STA 1060C Basic Statistics using MS Excel
     - STA 2014C Principles of Statistics
   D. Social Foundations (6 hrs)
   - Prefer PSC 2041 American National Government
   - Select PSY 2012 General Psychology
   E. Science Foundations (6 hrs)
   - Select one:
     - AST 2002 Astronomy
     - GEO 1200 Physical Geography
     - GLY 1030 Geology and its Applications

2. Common Program Prerequisites (34 hrs)
   A. Communications
   - ENC 1101 Composition I
   - ENC 1102 Composition II
   - SPC 1600 Fundamentals of Oral Communication
   B. Humanities
   - PHI 2010 Introduction to Philosophy
   - Select one:
     - ARH 2050 History of Western Art I
     - ARH 2051 History of Western Art II
     - MUL 2010 Enjoyment of Music
     - THE 2000 Theatre Survey
     - FIL 2400 History of Motion Pictures
   C. Mathematics
   - MAC 1105 College Algebra
   - MGF 1106 Finite Mathematics
   - One of the following (per GEP)
     - STA 1060C Basic Statistics using MS Excel
     - STA 2014C Principles of Statistics
   D. Social Science/History
   - AMH 1010 U.S. History 1492-1877
   - AMH 2010 U.S. History 1877-Present
   - POS 2041 American National Government
   - PSY 2012 General Psychology
   E. Science
   - Select one:
     - PSC 1121 Physical Science
     - STA 1060C Basic Statistics using MS Excel
     - STA 2014C Principles of Statistics
   - Select one:
     - PET 4040 Team Sports
     - PET 4283C Teaching Sports Skills

3. Education Core Requirements (12 hrs)
   - EDG 4323 Professional Teaching Practices
   - EDF 4214 Classroom Learning Principles

4. Specialization Requirements (30 hrs)
   - ZOO 3736C Human Anatomy with Lab
   - DAE 3370 Dance & Rhythmics
   - PEO 3041 Games Analysis
   - PET 2622C Human Injuries
   - PET 4550C Motor Development & Learning
   - PET 4312 Biomechanics
   - PET 4351C Applied Exercise & Human Physiology
   - PET 4401 Administration and Evaluation in PE
   - PET 4550 Fitness Assessment
   - PET 4640 Adapted PE
   - PET 4823C Teaching Sports Skills

5. Internship I and Methods Block (6 hrs)
   - PET 3940 Internship I
   - PET 4710 Teaching Physical Education K-12

6. Internship II (PET 4943) (10 hrs)
   - All methods/specialization courses must be completed with a letter grade of "C-" or better before registering for Internship II

7. Foreign Language Requirements (0-8 hrs)
   - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

8. Departmental Exit Requirements
   - Achieve a minimum 2.5 GPA in all courses within the major.
   - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with the State Board of Education Rule 6A-5.065.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - 25% of course work must be completed in residency at UCF
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

10. Total Semester Hours Required 120 hours

11. Coaching Endorsement (Optional) (6 hrs)
    - Select one of the following courses:
      - PET 3765 Coaching Theory
      - PEO 3264 Coaching Basketball
      - PEO 3324 Coaching Volleyball
      - PEO 3544 Coaching Football

12. Recommended Sequence of Program Courses:
UCF Degree Programs

EFD 2005  3 hrs
ENC 1101  3 hrs
MGF 1106  3 hrs
Summer (6 hrs)
EME 2040  3 hrs
POS 2041  3 hrs

Sophomore Year
Fall (13hrs)  Spring (12 hrs)
AMH 2010  3 hrs  AMH 2020  3 hrs
PSY 2012  3 hrs  PET 2622C  3 hrs
SPC 1600  3 hrs  PEO 2111 or 
ZOO 3736C  4 hrs  PEO 2031 
ARD 2050 or 
MUL 2010 or 
THE 2000 or 
FIL 2400

Junior Year
Fall (12 hrs)  Spring (12 or 15 hrs)
DAE 3370  3 hrs  EDF 4214  3 hrs
EDG 4323  3 hrs  PET 4312  3 hrs
PEO 3041  3 hrs  PET 4043  3 hrs
PET 4823C  3 hrs  TSL 4080  3 hrs

Senior Year
Fall (12 hrs)  Spring (13 hrs)
PET 3940  3 hrs  PET 4943  10 hrs
PET 4050  3 hrs  PET 4401  3 hrs
PET 4710  3 hrs
PET 4550  3 hrs

PHYSICS (B.S.)
College of Sciences, Physics Department
MAP 310, 407-823-2325
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Chair: Ralph Llewellyn, 407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements
none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program
   (36 + 2 hrs)
   (Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.)
   A. Communication Foundation
      1. Select ENC 1101 and ENC 1102  6 hrs
      2. Prefer SPC 1016  3 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      1. Select MAC 2311  4 hrs

2. Common Program Prerequisites
   (20 hrs)
   CHM 2045C* Chem Fund I  4 hrs
   CHM 2046 & L Chem Fund II & Lab  4 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
   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 (all tracks)
   (36 hrs)
   MAP 2302 Differential Equations  3 hrs
   PHY 3101 Physics Engr & Sci I  3 hrs
   PHZ 3113 Intro to Theoretical Methods of Physics  3 hrs
   PHY 3220 Mechanics  3 hrs
   PHY 3513 Thermal and Statistical Physics  3 hrs
   PHY 3323 Electricity and Magnetism I  3 hrs
   PHY 4324 Electricity and Magnetism II  3 hrs
   PHY 4604 Introduction to Quantum Mechanics I  3 hrs
   PHY 4605 Introduction to Quantum Mechanics II  3 hrs
   PHY 4912 Directed Independent Research
   (should be in the area of specialization)
   Laboratory requirements
   PHY 3082L Intermediate Physics Lab  3 hrs
   Select one of the following  3 hrs
   PHY 3752C Physics of Sci instruments
   PHY 3772C Physics Laboratory; Electronics

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
   Directed Electives  9 hrs
   Courses at a 3000 level or higher, approved by the Physics Department.
   Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2 Materials Physics Specialization
   (18 hrs)
   Choose one lab from:
   PHY 4803L Advanced Physics Lab  3 hrs
   EEL 5305C Fabrication of Solid State Devices  4 hrs
   Choose nine hours from:
   EEL 3306 Semiconductor Devices  3 hrs
   EGN 3365 Structure and Properties of Materials  3 hrs
   EMA 4413 Electronic Properties of Materials  3 hrs
   CHM 3411L Physical Chemistry Laboratory  2 hrs
   PHZ 5405 Condensed Matter Physics  3 hrs
   EEL 5352 Semiconductor Mat & Device Char  3 hrs
   Directed Electives  6 hrs
   Courses at a 3000 level or higher, approved by the Physics Department.
   Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.3 Optics and Lasers Specialization
   (18 hrs)
   PHY 4424 Physical Optics  3 hrs
   Choose six hours from:
   EEL 4440 Optical Engineering  3 hrs
   PHY 4445 Lasers  3 hrs
   OSE 5203 Fundamentals of Applied Optics  3 hrs
   OSE 5312 Fundamentals of Optical Science  3 hrs
   OSE 5414 Fund. of Optoelectronic Devices  3 hrs
   Directed Electives  9 hrs
   Courses at a 3000 level or higher, approved by the Physics Department.
   Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.4 Computational Physics Specialization
   (19 hrs)
   PHZ 3115L Computer Methods in Physics  3 hrs
   COP 3502C Computer Science I  3 hrs
   COP 3503C Computer Science II  4 hrs
   COP 4500 Numerical Calculus  3 hrs
   Directed Electives  6 hrs
   Courses at a 3000 level or higher, approved by the Physics Department.
   Courses must be chosen in Physics, Mathematics, Computer Science, or Engineering.

4.5 Astronomy Specialization
   (18 hrs)
   AST 200L Introduction to Astronomy  3 hrs
   AST 3722C Observational Astronomy  3 hrs
   Choose two of the following:
**UCF Degree Programs**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AST 3110</td>
<td>Solar System Astronomy</td>
<td>3 hrs</td>
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<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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.

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 minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

**Semester Hours Required**

120 hrs

**Related Programs:** Engineering, Mathematics

**Related Minors:** Mathematics, Physics, Astronomy

**Transfer Notes:**

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:

- CHM 2045C*: may use CHM 1040 plus CHM 1041

**Suggested Plan of Study:**

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

**Summer**

- Chem test See catalog 0
- Math test See catalog 0

**Freshman Year**

<table>
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<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>ANT 2005* req# 1D2-GEP</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>PHY 2048 Phy for Eng Sci I</td>
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<tr>
<td>MAC 2311 Calc Anal Geo I</td>
<td>PHY 2048L Phy L Eng Sci I</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fund I</td>
<td>CHM 2046 Chemistry Fund II</td>
</tr>
<tr>
<td>MAC 2312 Calc Anal Geo II</td>
<td>MAC 2312 Calc Anal Geo II</td>
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**Sophomore Year**

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<th>Fall</th>
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<tbody>
<tr>
<td>COP 3223 Intro to Proc C</td>
<td>MUL 2010* req# 1B2-GEP</td>
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<tr>
<td>HUM 2105* req# 1B1-GEP</td>
<td>MAP 2302 Diff Equations</td>
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<tr>
<td>SPC 1016 Fund Tech Presnt</td>
<td>PHY 3101 Phy Eng Sci III</td>
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<tr>
<td>MAC 2313 Calc Anal Geo III</td>
<td>PHY 3802L Intro Phsyics L</td>
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<tr>
<td>PHY 2049 Phy for Eng Sci II</td>
<td>PHZ 3113 Intro Ther Meth of</td>
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**Junior Year**

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<th>Fall</th>
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<tbody>
<tr>
<td>ARH 2050* req# 1B3-GEP</td>
<td>PHY 3220 Mechanics I</td>
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<tr>
<td>PHY 3223 Elect Mag II</td>
<td>PHY 4604 Wave Mechanics I</td>
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<td>COP 3502* req# 4-Spec</td>
<td>COP 3503C* req# 4-Spec</td>
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**Senior Year**

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<th>Fall</th>
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<tbody>
<tr>
<td>PHY 3513 Thermal &amp; Stat Phy</td>
<td>PHY 4912 Ind Research</td>
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<tr>
<td>PHY 4912 Ind Research</td>
<td>COT 4500* req# 4-Spec</td>
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<td>PHY 3722C Physics L Elect</td>
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<td>Elective* Check restrictions</td>
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**POLITICAL SCIENCE (B.A.)**

**College of Sciences, Political Science Department**

**CNH 415, 407-823-2608**

http://www.cas.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.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program**

   (36 hrs)

   **A. Communication Foundations**
   - Select ENC 1101 & ENC 1102 6 hrs
   - Prefer SPC 1600 3 hrs

   **B. Cultural and Historical Foundations**
   - Prefer AMH 2010 3 hrs
   - Select from GEP B.2 list 3 hrs
   - Prefer AMH 2020 3 hrs

   **C. Mathematical Foundations**
   - Prefer MGF 1106 (may substitute a higher level math) 3 hrs
   - Prefer STA 2043C or STA 1060C 3 hrs

   **D. Social Foundations**
   - Select POS 2041 3 hrs
   - Select from GEP D.2 list 3 hrs

   **E. Science Foundations**
   - 6 hrs

2. **Common Program Prerequisites**

   (3 hrs)

   **POS 2041** American National Government
   - 6 hrs

   *See Transfer Notes for possible substitutes

3. **Core**

   (6 hrs)

   **POS 3703** Scope & Methods of Pol Sci
   - American National Government
   - 3 hrs

4. **Upper Division Restricted Electives**

   (30 hrs)

   Choose one of the following emphases

   **Emphasis 1: American Politics and Policy**
   - Five courses from area A 15 hrs
   - Two courses from area B 6 hrs
   - Two courses from area C 6 hrs
   - One additional course from any area 3 hrs

   **Emphasis 2: International Relations-Comparative Politics**
   - Two courses from area A 6 hrs
   - Five courses from area B 15 hrs
   - Two courses from area C 6 hrs
   - One additional course from any area 3 hrs

   *No more than two of the following courses may be considered part of area B credit: INR 4401, INR 4402, INR 4404.

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**UNIVERSITY OF CENTRAL FLORIDA**

2006-2007 Undergraduate Catalog
Emphasis 3: Prelaw
Please see Political Science - Prelaw for the emphasis requirements.

Emphasis 4: International Studies
Please see Political Science - International Studies for the emphasis requirements.

AREAS OF SPECIALIZATION

A. American Politics and Policy

- POS 3121 State Government & Public Policy
- POS 3173 Southern Politics
- POS 3182 Florida Politics
- POS 3233 Public Opinion
- POS 3235 Media and Politics
- POS 3258 Politics in Film
- POS 3273 Voting and Elections
- POS 3343 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
- PUP 4204 Sustainability
- PUP 4209 Urban Environmental Policy
- PUP 3203 Environmental Policy
- PUP 3314 Minorities in American Politics
- PUP 3325 Women and Political Behavior
- PUP 4003 American Public Policy
- PUP 4204 Sustainability
- PUP 4232 Women and Public Policy
- POS 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 3122 Canadian Studies
- CPO 3403 Politics of the Middle East
- CPO 3614 Politics of Eastern Europe
- CPO 4062 Comparative Judicial Processes
- CPO 4074 Political Economy
- CPO 4101 European Union Politics
- CPO 4123 Government and Politics of Great Britain
- CPO 4333 Comparative Latin American Politics
- CPO 4446 Comparative Political Parties
- CPO 4553 Politics of Japan
- CPO 4643 Government and Politics of Russia
- CPO 4710 Women in Comparative Perspective
- CPO 4756 Comparative Political Institutions
- CPO 4874 Political & Economic Inequality in Comparative Perspective
- GEO 3471 World Political Geography
- IDS 4315 Global Perspectives
- INR 2002 International Relations
- INR 3016 Global Political Issues
- INR 3253 International Politics of Africa
- INR 4011 Politics of Globalization
- INR 4030 Diplomacy
- INR 4035 International Political Economy
- 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 4304 Issues in International Public Policy
- INR 4335 Coercion in International Politics
- INR 4401 International Law I
- INR 4402 International Law II
- INR 4404 Space Law
- INR 4502 International Organizations
- INR 4714 Politics of International Trade
- POS 3253 Contemporary Revolution & Political Violence
- PUP 3508 Space Studies
- INR 4531 International Environmental Law
- PUP 4510 Space Policy

C. Political Theory

- INR 4603 International Relations Theory
- POS 4026 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 4305 The State, Society, and The Individual
- POT 4314 Contemporary Democratic Theory
- POT 4331 Utopia/Dystopia
- PUP 4414 Marxist Political Theory
- PUP 4632 Religion and Politics

5. Departmental Exit Requirements
   - Maintain a minimum GPA of 2.0 in the major
   - Computer Competency met by POS 3703

6. Foreign Language Requirements
   (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives
   (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

Internship Program: Political Science
For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120 hrs

Related Programs: Economics, History
Related Minors: Economics, History, Psychology, Sociology, Philosophy

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- POS 2041* and POS 3703*: State mandated Common Program Prerequisite allow a student to enter the major with any six hours of introductory Political Science courses with a POS, INR, or CPO prefix. However, both POS 2041 and POS 3703 are course prerequisites for subsequent courses in the major, and other classes will not substitute.
**Suggested Plan of Study:**
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>AMH 2010 U S His 1492 1877</td>
<td>AMH 2020 U S His 1877 Pres</td>
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<tr>
<td>ENC 1101 Composition</td>
<td>ENC 1102 Composition II</td>
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<tr>
<td>MGF 1105* req# 1C1-GEP</td>
<td>REL 2300* req# 1B3-GEP</td>
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<td>SPC 1600* req# 1A3-GEP</td>
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<td>PSY 2012* req# 1D2-GEP</td>
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### Sophomore Year

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<th>Fall</th>
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<tbody>
<tr>
<td>BSC 1005* req# 1E2-GEP</td>
<td>PSC 1121* req# 1E1-GEP</td>
</tr>
<tr>
<td>POS 4224* req# 4A-ResElec</td>
<td>POS 3703 Meth of Pol Sci</td>
</tr>
<tr>
<td>CPO 3103* req# 4B-ResElec</td>
<td>Elective* Check restrictions</td>
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<tr>
<td>Elective* Check restrictions</td>
<td>SPN 1121* req# Lang/Elec</td>
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<tr>
<td>SPN 1120* req# Lang/Elec</td>
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### Junior Year

<table>
<thead>
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<tbody>
<tr>
<td>POS 3233* req# 4A-ResElec</td>
<td>POS 4604* req# 4A-ResElec</td>
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<tr>
<td>POS 3424* req# 4A-ResElec</td>
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</tr>
<tr>
<td>POS 4603* req# 4A-ResElec</td>
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<tr>
<td>CPO 3034* req# 4B-ResElec</td>
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### Senior Year

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<tbody>
<tr>
<td>POT 3204* req# 4C-ResElec</td>
<td>POS 3173* req# 4 A,B,C</td>
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<tr>
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</table>

**POLITICAL SCIENCE (B.A.) - INTERNATIONAL STUDIES TRACK**

**College of Sciences, Political Science Department**

**CNH 415, 407-823-2608**

**http://www.cas.ucf.edu/politicalscience**

**E-mail: politics@ucf.edu**

**R. Handberg, 407-823–2608**

**Admission Requirements**

- **none**

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program**

(36 hrs)

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
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<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td></td>
</tr>
<tr>
<td>1. Prefer WOH 2012</td>
<td>3</td>
</tr>
<tr>
<td>2. Select from GEP B.2 list</td>
<td>3</td>
</tr>
<tr>
<td>3. Prefer WOH 2022</td>
<td>3</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6</td>
</tr>
<tr>
<td>1. Prefer MGF 1106 may substitute a higher level math</td>
<td>3</td>
</tr>
<tr>
<td>2. Prefer STA 2014C or STA 1090C</td>
<td>3</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td></td>
</tr>
<tr>
<td>1. Select POS 2041</td>
<td>3</td>
</tr>
<tr>
<td>2. Select from GEP D.2 list</td>
<td>3</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>6</td>
</tr>
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</table>

**2. Common Program Prerequisites**

(3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>INR 2002*</td>
<td>3</td>
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<tr>
<td>POS 2041*</td>
<td>GEP</td>
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</table>

**3. Core Requirements**

(18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>INR 2002</td>
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<td>POS 2041</td>
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<td>IDS 4315</td>
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</tr>
<tr>
<td>POS 3703</td>
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</tr>
<tr>
<td>INR 4003</td>
<td>3</td>
</tr>
</tbody>
</table>

**4. Restricted Electives**

(18 hrs)

Note: Students must meet all prerequisites before taking these courses.

**Regional**

- 9 hrs

**Functional**

- 9 hrs

**5. Required minor**

(18 hrs min)

Select from the following: Asian Studies, French, German, International Business (Business majors only), Italian, Latin American Studies, Middle East Studies, or Spanish. **Note:** No more than one course may be used to fulfill both this track and the minor.

**6. Departmental Exit Requirements**

- Maintain a minimum GPA of 2.0 in the major.
- Computer Competency met by POS 3703.

**7. Foreign Language Requirements**

(0-11 hrs)

Admission: Met by graduation requirement

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

**8. Electives**

(variable)
Select primarily from upper level courses, with departmental advisors' approval. May be outside of the department.

9. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 36 hours of course work must be completed in residence at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   ■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 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.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
■ POS 2041* and INR 2002*: Although state mandated CPP accept any six hours of introductory Political Science classes, both POS 2041 and INR 2002 are required in the major.

POLITICAL SCIENCE - PRELAW TRACK (B.A.)

College of Sciences, Political Science Department
CNH 415, 407-823-2608
http://www.cas.ucf.edu/politicalscience
E-mail: politics@ucf.edu
R. Handberg, 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major.

Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Arts and Sciences Prelaw Advisor.

The following represent a suggested curriculum which both meets the requirements for a Political Science Degree while preparing you for professional school.

Admission Requirements none

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Co-op or internship credit cannot be used in this major without prior departmental approval
■ Students should consult with a departmental advisor
■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program 36 hrs
   A. Communication Foundations
      Select ENC 1101, ENC 1102
      Select SPC 1600
      6 hrs
   B. Cultural and Historical Foundations
      Prefer AMH 2010
      Prefer AMH 2020
      Select from GEP B.2 list
      3 hrs
   C. Mathematical Foundations
      6 hrs

   D. Social Foundations
      Select POS 2041 American National Gvt
      Select one of the three choices
      3 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites (3 hrs)
   POS 2041* American National Gvt
   POS 3703* Scope & Methods of Pol Sci
   *See Transfer Notes for possible substitutes

3. Core (0 hrs)
   POS 2041 American National Government
   POS 3703 Scope & Methods of Pol Sci

4. Upper Division Restricted Electives (30 hrs)
   POS 4284 Judicial Process and Politics
   3 hrs
   4.1 Select one of the following:
   POS 4603 American Constitutional Law I
   POS 4604 American Constitutional Law II
   INR 4401 International Law I
   INR 4402 International Law II
   4.2 Select one (See listing under Political Science)
   Five courses from area A and
   or
   Two courses from area B
   or
   Two courses from area A and
   or
   Five courses from area B
   15 hrs
   6 hrs
   15 hrs
   3 hrs

4.3 Select one course from area C
   3 hrs

5. Departmental Exit Requirements
   ■ Maintain a minimum GPA of 2.0 in the major
   ■ Computer Competency met by POS 3703

6. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.
   Some suggested electives Include:
   ACG 2021 Principles of Financial Accounting
   ACG 2071 Principles of Managerial Accounting
   BUL 3320,3321 Business Law I & II
   PLA 3104 Legal Research
   PLA 3155 Legal Writing
   PHI 2101 Critical Thinking
   MHI 3302 Logic and Proof in Mathematics
   ENC 3241 Writing for the Technical Professional
   ENC 3250 Professional Writing
   LIN 4100 History of the English Language
   Internship Program: Political Science
   For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

8. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 36 hours of course work must be completed in residence at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   ■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Economics, History, Philosophy
Related Minors: Economics, History, English, Philosophy

Transfer Notes:
### UCF Degree Programs

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes

For common program prerequisites if taken prior to transferring to UCF:
- POS 2041* and POS 3703*: State mandated Common Program Prerequisite allow a student to enter the major with any six hours of introductory Political Science classes with a POS, INR, or CPO prefix. However, both POS 2041 and POS 3703 are course prerequisites for subsequent courses in the major, and other classes will not substitute.

#### Suggested Plan of Study:

One of several possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall</th>
<th>Spring</th>
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<td>AMH 2010 U S His 1492 1877</td>
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<td>AMH 2020 U S His 1877 Pres</td>
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<tr>
<td>ENC 1102 Composition I</td>
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<td>ENC 1102 Composition II</td>
</tr>
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<td>MGF 1106 req# 1C1-GEP</td>
<td>3</td>
<td>REL 2300* req# 1B3-GEP</td>
</tr>
<tr>
<td>POS 2041 Amer National Gvt</td>
<td>3</td>
<td>SPC 1600* req# 1A3-GEP</td>
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<td>PSY 2012* req# 1D2-GEP</td>
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<td>BSC 1005* req# 1E2-GEP</td>
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<td>PSC 1121* req# 1E1-GEP</td>
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<td>POS 4384 Jud Process Pol</td>
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<td>POS 4604* req# 4.1-Rele</td>
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<td>CPO 3103* req# 4.2B-RE</td>
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<td>POS 3173* req# 4.2A-RE</td>
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<tr>
<td>Elective* Check restrictions</td>
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</tbody>
</table>

### PSYCHOLOGY (B.A.)

**College of Sciences, Psychology Department**

PH 302B, 407-823-2216

http://www.psych.ucf.edu/

E-mail: psychology@ucf.edu

R. Dipboye, 407-823-2216

Chair: R. Dipboye, 407-823-2216

Psychology Advising Center: PH 305G 407-823-2219

Students majoring in Psychology as the foundation of a Liberal Arts degree will probably find the BA option an appropriate degree. Not open to BS Psychology majors.

#### Admission Requirements

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department.
- Students must earn at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with the Department Director of Undergraduate Advising HPH 305g, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### Honors in Psychology:

**Additional Requirements**

- 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)

<table>
<thead>
<tr>
<th>Area</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (3 hrs)

- BSC 1005* Biological Principles or BSC 2010C GEP
- PSY 2012* General Psychology GEP
- DEP 2004* Developmental Psychology 3 hrs
- STA 2024* Statistical Methods I or STA 2014C GEP

#### 3. Core requirements (10 hrs)

- PSB 3002 Physiological Psychology 3 hrs
- PSY 3213C Research Methods 4 hrs
- BSC 1005 or BSC 2010C Biology GEP
- PSY 2012 General Psychology GEP
- STA 2023 Statistical Methods or STA 2014C GEP

#### 4. Restricted Electives (12 hrs)

Select two of the following 6 hrs

- EXP 3404 Basic Learning Processes
- EXP 3204C Perception
- EXP 3604C Cognitive Psychology
- PSB 3441 Psychobiological Aspects of Drugs
- PSB 4020 Brainwaves and Behavior
- PSB 4200C Neuropsychology
- PSY 3302 Psychological Measurement

#### 5. Diversity courses (9 hrs)

- Take three diversity courses: one from A, one from B, and one from either A or B

<table>
<thead>
<tr>
<th>Area</th>
<th>Courses</th>
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<tbody>
<tr>
<td>A. Psychology Diversity courses</td>
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<tr>
<td>CLP 3154 Women’s Mental Health</td>
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<tr>
<td>DEP 3464 Psychology of Aging</td>
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<tr>
<td>SOP 3723 Cross Cultural Psychology</td>
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<tr>
<td>SOP 3724 Psychology of Racial Prejudice</td>
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<tr>
<td>SOP 3742 Psychology of Women</td>
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<tr>
<td>SOP 2772 Sexual Behavior</td>
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<td>SOP 3784 Psychology of Diversity</td>
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## University of Central Florida

2006-2007 Undergraduate Catalog

Page 228
### UCF Degree Programs

#### PSYCHOLOGY (B.S.)

**College of Sciences, Psychology Department**

PH 302B, 407-823-2216


**E-mail:** psychology@ucf.edu

R. Dipboye, 407-823-2216

Psychology Advising Center; PH 305 G, 407-823-2219

Students who desire a quantitative background in statistics, math, and science are encouraged to complete the program of study leading to the BS degree. Not open to BA Psychology majors.

#### Admission Requirements

**none**

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department.
- Students must earn at least a "C" (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with the Department Director of Undergraduate Advising HPH 305g, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### Honors in Psychology:

**Additional Requirements**

- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Application and admission through the department.
- Fulfill University requirements for Honors in the Major.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including PSY 3213C. No grades can be below a “B” (3.0).
- Have an overall UCF GPA above 3.2.
- PSY 4903H Directed Honors Readings 3 hrs
- PSY 4970H Undergraduate Honors Thesis 3 hrs

#### 1. UCF General Education Program

(36 + 1 hrs)

(Note: Certain courses must be selected in the GEP for this major bringing the total GEP hours to more than 36)

- A. Communication Foundations 9 hrs
- B. Cultural and Historical Foundations 9 hrs
- C. Mathematical Foundations
  - 1. Prefer MGF 1106 (may substitute a more advanced math) 3 hrs
  - 2. Select STA 2023 or STA 2014C 3 hrs
- D. Social Foundations
  - 1. Select one of the listed choices 3 hrs
  - 2. Select PSY 2014C 3 hrs
- E. Science Foundations
  - 1. Select BSC 2010C (or BSC 1005 if no additional Biology courses are planned) 4 hrs
  - 2. Select one of the listed choices 3 hrs

**Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:

- BSC 1005*: any lower level BSC course or ZOO X010.
- Although CPP permit any psychology course, PSY 2012* is a prerequisite for all subsequent Psychology courses and will need to be taken for the major.
- Although CPP permit any statistics course, STA 2023* or STA 2014C is a prerequisite for subsequent Psychology courses and will need to be taken for the major.
- DEP 2004*: any lower level psychology course.

**Suggested Plan of Study:**

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the 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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<tr>
<td>BSC 1005 Bio Principles</td>
<td>ENC 2102 Composition I</td>
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<td>POS 2041* req# 1D1-GEP</td>
<td>SPC 1106* req# 1A3-GEP</td>
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<td>PSY 2012 General Psychology</td>
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<tr>
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<td>MUL 2010* req# 1B3-GEP</td>
<td>PPE 3003* req# 4-ResEI</td>
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<tr>
<td>STA 2022* Stat Methods I</td>
<td>SYD 3000* req# 5B-Diver</td>
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<td>SOP 2772* req# 5A-Diver</td>
<td>SPN 1121* req# Lang/Elect</td>
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<tr>
<td>Elective* Check restrictions</td>
<td>ANT 3302* req# SB-Diver</td>
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<td>CLP 3302* req# 4-ResElect</td>
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<tr>
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</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

**Total Semester Hours Required:** 120 hrs
2. Common Program Prerequisites (3 hrs)

- BSC 2010C* Biology I or GEP
- BSC 1005 (if no additional Biology courses are planned)
- PSY 2012* General Psychology GEP
- DEP 3004* Developmental Psychology 3 hrs
- STA 2023* Statistical Methods I or STA 2014C 3 hrs

*See Transfer Notes for possible substitutes

3. Core requirements (14 hrs)

- BSC 2010C Biology I (or BSC 1005) GEP
- PSB 3002 Psychological Psychology 3 hrs
- PSY 2012 General Psychology GEP
- PSY 3211C Research Methods in Psych 4 hrs
- PSY 4211C Advanced Research Methods 4 hrs
- STA 2023 Statistical Methods or STA 2014C GEP

Select one course

- EXP 3404 Basic Learning Processes 3 hrs
- EXP 3204C Perception
- EXP 3604C Cognitive Psychology
- PSB 3411 Psychological Aspects of Drugs
- PSB 4223 Brainwaves and Behavior
- PSB 4240C Neuropsychology
- PSY 3302 Psychological Measurement

4. Restricted Electives (12 hrs)

A. Select two of the following:
- 6 hrs
- DEP 2004 Developmental Psychology
- PPE 3003 Personality Theory
- SOP 3004 Social Psychology
- SOP 3724 Psych of Racial Prejudice
- SOP 3742 Psych of Women
- SOP 2772 Sexual Behavior
- SOP 3784 Psychology of Diversity

B. Select six additional upper division hours in psychology

5. Diversity courses (6 hrs)

Take two diversity courses - one from A & one from B

A. Psychology Diversity courses

- 3 hrs
- CLP 3184 Women's Mental Health
- DEP 3464 Psych of Aging
- SOP 3723 Cross Cultural Psychology
- SOP 3724 Psych of Racial Prejudice
- SOP 3742 Psych of Women
- SOP 2772 Sexual Behavior
- SOP 3784 Psychology of Diversity

B. General Diversity courses

- 3 hrs
- Select from courses outside the Psychology department that focus on gender, class, or minority issues: AMH 3421, AMH 3423, AMH 3561, AMH 3562, AMH 3571, AMH 3572, AMH 3573, AML 3263, AML 3264, AML 3265, AML 3266, AML 3420, AML 4261, ANT 3241, ANT 3245, ANT 3302, ANT 3311, ANT 3313, ANT 3332, ANT 3363, ANT 3541, ANT 3640, ARH 3520, ASH 4304, ASH 4404, ASH 4442, CCJ 4403, CCJ 4670, CJE 4174, CLA 3851, COM 4014, COM 4461, COP 3403, CUP 4676, FBL 3209, GEO 3471, GEG 3001, HSC 4564, HUM 3200, HUM 3401, HUM 3419, JST 3401, JST 3402, LAH 3130, LAH 3200, LAH 3400, LAH 5713, LIN 4643, LIT 3383, LIT 3192; MCM 4300; NUR 3805, NUR 3861; PAD 4446, PHI 3022, PHI 3033, PMH 3123; PLA 4020, PLA 4830, POS 4246, POS 4622; PPU 3314, PUP 4323, REL 3162, SWV 3030, SPA 4612, SPA 4613, SPA 4772, SYD 3700, SYD 3750, SYD 3751, SYD 3800; SYS 4323, SYS 4730, SYS 4734, SYD 4810, SYD 4813, THE 3230; WST 3015.

6. Science Electives (12 hrs)

A. Select at least six credits outside Psychology from:

(See course listing for prerequisites)

- 6-8 hrs
- CGS 2100C Computer Fundamentals of Business
- COP 3003C Computer Science I
- COP 3005C Computer Science II
- ENC 3241 Writing for the Technical Professional or ENC 3211 Theory and Practice of Technical Writing
- ENC 4280 Technical Writing Style
- MAC 2333 Concepts of Calculus
- MAC 2253 Applied Calculus I
- MAC 2254 Applied Calculus II
- PCB 3063 & L Genetics with lab
- PCB 3703C Human Physiology
- STA 4102 Computer Process of Stat Data
- STA 4163 Statistical Methods I
- STA 4164 Statistical Methods II
- ZOO 3733C Human Anatomy

B. Select at least two of the following:

- 5-8 hrs
- EXP 3204C Perception
- EXP 3604C Cognitive Psychology
- EXP 4507C Advanced Human Memory and Cognition
- PSB 3411 Psychological Aspects of Drugs
- PSB 4223 Brainwaves and Behavior
- PSB 4240C Neuropsychology
- PSY 3302 Psychological Measurement
- PSY 3320C Survey Methods in Psychology

7. Departmental Exit Requirements

- Maintain a grade of "C" (2.0) or better in each psychology course
- Computer Competency met by PSY 3211C

8. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement.

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

9. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hrs

Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with a asterisk (*) may be replaced by alternates in the same departmental advisor's approval. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

Fall
- ARH 2050* req# 1B3-GEP 3
- STA 2023* 3
- STA 2014C* 3
- STA 2014C* Prin of Statistics 3

Spring
- ARH 2050* req# 1B3-GEP 3
- STA 2023* 3
- STA 2014C* 3
- STA 2014C* Prin of Statistics 3

Sophomore Year

Fall
- EUH 2000* req# 1B1-GEP 3
- DEP 4254* Dev Psychology 3
- DEP 4254* Dev Psychology 3
- DEP 4254* Dev Psychology 3

Spring
- EUH 2000* req# 1B2-GEP 3
- DEP 4254* Dev Psychology 3
- DEP 4254* Dev Psychology 3
- DEP 4254* Dev Psychology 3
PUBLIC ADMINISTRATION (B.A., B.S.)
College of Health and Public Affairs
HPA2 238, 407-823-2604
http://www.cohpa.ucf.edu/pubadm/
Chair: Dr. Mary Ann Feldheim
Undergraduate Coordinator: Mr. Robert Morin

Admission Requirements none

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students should complete the General Education Program and the Common Program Prerequisites before transferring to the Florida Public University/Community College System.
■ Students should consult with a departmental advisor on a regular basis.
■ The courses designated in sections 1 and 2 below may be taken at a Florida Community College and should be completed in the first 60 hours.
■ Students must earn at least a "C" (2.0) in each course accepted as a Common Program Prerequisite and Core Requirement (see sections 2 and 3 below).
■ No transfer course will be accepted with a grade lower than a "C" (2.0).
■ The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural Historical Foundations 9 hrs
   C. Mathematical Foundations 6 hrs
   1. MAC 1105 or MGF 1106 3
   2. Select CGS 1060C 3
   3. Social Foundations (nine hours required for major) 6 hrs
      1. Select POS 2041 3
      2. PSY 2012, SYG 2000 or ANT 2000 3
   E. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)
   CGS 1060C Intro to Computer Science GEP
   POS 2041 American National Government GEP
   ECO 2013 Principles of Macroeconomics 3 hrs

3. Core Requirements (18 hrs)
   PAD 3003 Public Admin. in American Society 3 hrs
   PAD 4034 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 Administration 3 hrs

4. Upper Division Restricted Electives (39 hrs)
   Public Administration electives are required as follows:
   ■ Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives;
   ■ Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives;
   ■ All other PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher within the restricted elective area;
   ■ Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).

5. Departmental Exit Requirements
   The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisite courses and in all Core Requirements (see sections 2 and 3 above). An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3 and 4).

6. B.A./B.S. Option 6 hrs)
   ■ Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
   ■ Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement.

8. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 36 hours of course work must be completed in residence at UCF
   ■ 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: Accounting, Communications, Economics, Legal Studies, Computer Science, Social Work, Political Science, Criminal Justice, Health Services Administration, Management

Related Minors: Communications, Business, Economics, Political Science, Legal Studies, Criminal Justice

Transfer Notes:
Intro. to Computer Science (CGS 1060C) or any Computer Science course 3
Economics I (ECO 2013) or any Macroeconomics course 3
American National Government (POS 2041) or any course in American National Government 3

Tentative Course Schedule for Entering Freshmen

Freshman Year
Fall 14 hrs Spring 15 hrs
   ENC 1101 3 ENS 1102 3
   CGS 1060C 3 MGF 1106 3
   POS 2041 3 PSY 2012 or SYG 2000 3
   One Course: ARH 2051, 3 or ANT 2000 3
   ARH 2051, MUL 2101, 3 or CMM 1020 or PSC 1121 3
   THE 2000, REL 2300, 3 or AST 2002 3
   PHI 2010, LIT 2110, LIT 2120 3
   PAF 2102 2

Sophomore Year
Fall 15 hrs Spring 15 hrs
   SPC 1600 3 EUH 2000 or HUM 2210 3
   EUH 2000 or HUM 2210 3 or AMH 2010 or WHI 2012 3
   or AMH 2010 3 or ECO 2013 3
   BSC 105R or MCB 1310 3 or Elective 3
   GLY 1030 or GEO 1200 3 or Elective 3
   or ANT 2511 3 or Elective 3
   Junior Year

Graduation:
■ A 2.0 UCF GPA
■ Sixteen (16) hours of upper division credit completed prior to graduation
■ Sixty (60) semester hours completed beyond the General Education Program and Common Program Prerequisite courses
■ A 2.0 UCF GPA
■ Eighteen (18) semester hours earned after CLEP awarded
■ A 2.0 GPA in the major
■ Completion of the Gordon Rule
■ Completion of the CLAST
■ Completion of the nine hours of summer credit (if applicable)

UCF Degree Programs
## Radio-Television (B.A.)

### College of Sciences
Nicholson School of Communication
COM 238, 407-823-2681
http://www.cas.ucf.edu/communication
E-mail: radiotv@ucf.edu
Contact: M.A. Shaver

### Admission Requirements - Limited Access
- Students should apply to become Radio-Television majors only after completing all requirements for admission. Deadlines are: October 1 to be admitted the next Spring term
- February 1 to be admitted the next Summer term
- July 1 to be admitted the next Fall term
- 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 from a minimum of 2.9.
- Meet a grammar proficiency standard
- Receive a positive evaluation of other factors specified by the School.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor’s approval
- Internship credit may be used in this major pending departmental permission
- Co-op credit may be used in this major pending approval from an RTV advisor
- Students should consult with a School advisor
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Science).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 of the 120 hours may be taken within the Nicholson School of Communication
- Radio TV majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.
- Students seeking to change tracks once accepted into the major, must re-apply to the RTV major under the new, desired track
- All students are required to pay a fee for equipment insurance
- A maximum of 3 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 internships 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 (36 hrs)
- A. Communication Foundations
  - Select ENC 1101 & ENC 1102
  - Select SPC 1500 or SPC 1016
- B. Cultural and Historical Foundations
  - 9 hrs
- C. Mathematical Foundations
  - 3 hrs
- D. Social Foundations
  - 6 hrs
- E. Science Foundations
  - 6 hrs

### 2. Common Program Prerequisites (0 hrs)
Select one course
- SPC 1016 Fund of Technical Presentations
- SPC 1600 Fund of Oral Communication

### 3. Core requirements (all areas) (21 hrs)
- a. Select one of the following:
  - 3 hrs
  - CGS 2100CC Computer Fundamentals of Business
  - CGS 2695C Desktop/Internet Publishing
  - CGS 3175 Internet Applications
- b. Complete all the following
  - RTV 2102 Writing for the Electronic Media
  - RTV 3000 Production Fund & Aesthetics of Electronic Media
  - RTV 3000 Development and Structure of Electronic Media and New Technology
  - MMC 4200 Mass Communication Law
  - MMC 4342 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 3218C Studio Production
  - RTV 3223C Lighting for Video
  - RTV 3260C Single Camera Video Prodn & Edit
  - RTV 3263C Advanced Video Post-Production
  - RTV 3280C Production of Int. Multimedia
  - RTV 3942L Practicum
  - RTV 4112C Audio Production II
  - RTV 4280C Webcasting I
  - RTV 4281C Webcasting II
  - RTV 4206C Television Directing
  - RTV 4270C Radio Production & Programming
  - RTV 4941 Internship

#### 4.2 Broadcast Journalism (19 hrs)
- RTV 3260C Single Camera Video Prodn & Edit
- RTV 3301 Electronic Journalism I
- RTV 3304 Electronic Journalism II
- RTV 4202C Television News
- MMC 4602 Contemporary Media Issues
- JOU 3004 History of American Journalism

#### 4.3 Broadcast Generalist (18 hrs)
- Select 6 hours from Group b.
  - ADV 3000 Principles of Advertising
  - PUR 4000 Public Relations
  - COM 4110 Business & Prof. Comm.
  - JOU 2210 Writing for Business Professionals

### 5. Required Minor (18 hrs minimum)
Radio-Television majors must complete an 18 hour minor in an academic area outside the School of Communication.

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**Fall** 15/16 hrs  **Spring** 15/16 hrs

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**Senior Year**

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**Minors**
The six PAD required core courses for the major will be required of the PAD minor. These are PAD 3003, PAD 4414, PAD 4104, PAD 4204, PAD 4034, and PAD 4720.

The Department of Public Administration offers minors in Emergency Management and Homeland Security, Urban and Regional Planning, Public Administration, and American Humanities, and also offers a certificate in Nonprofit Management.
6. School Exit Requirements

- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve an overall "C" GPA (2.0) in UCF Radio/TV courses used to satisfy the major.
- Computer competency met by CGS 2100C or departmental assessment.

7. Foreign Language Requirements (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:

- 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.

RADIOLOGIC SCIENCES (B.S.)
College of Health and Public Affairs
HPA2 210, 407-823-2747
http://www.cohpa.ucf.edu/health.pro/radbs.cfm
Undergraduate Program Director: Thomas Edwards
E-mail: tedwards@mail.ucf.edu

Admission Requirements

- Acceptance to the university does not necessarily constitute admission to the upper division Radiologic Sciences Program
- Separate application to the limited access program must be made directly to the program on or before March 1 of the year admission is sought
- UCF application must be submitted by the program deadline of March 1. Acceptance to UCF is necessary before acceptance to the program can occur
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Criminal history information (background check) must be submitted on or before April 1st of the year admission is sought. For Florida residents the criminal history must be certified by the Florida Department of Law Enforcement (FDLE).
- A personal interview is also required.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program. All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C."

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions, and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program
- UCF Residency Requirement for Radiography: 33 hours

1. UCF General Education Program (36 + 2 hrs)

A. Communication Foundations
B. Cultural Historical Foundations
C. Mathematical Foundations
Select MAC 1105*
Select CGS 1060C
D. Social Foundations
Select MAC 1105*
Select CGS 1060C
E. Science Foundations
Select MAC 1105*
Select PHY 2053C*

2. Common Program Prerequisites (12 hrs)

CGS 1060C Introduction to Computer Science
PCB 3703C* Human Physiology
PHY 2053C* College Physics I
PHY 2054C College Physics II
ZOO 3733C* Human Anatomy
MAC 1105* College Algebra

* See Transfer Notes

3. Core Requirements (77 hrs)

Junior Level

RTE 3000 Introduction to Radiologic Sciences
RTE 3111C Introduction to Patient Care
RTE 3503C Radiographic Procedures I
RTE 3116 Advanced Patient Care
RTE 3418C Principles of Radiographic Exposure I
RTE 3930 ST: Clinical Education I
RTE 3513C Radiographic Procedures II
RTE 3457C Principles of Radiographic Exposure II
RTE 3684C Physics of Image Production
RTE 3308 Medical Physics
STA 2023 Statistical Methods I
HSC 4550 Pathophysiologic Mechanisms
RTE 3930 ST: Clinical Education II

Senior Level

RTE 4563 Special Radiographic Procedures
RTE 4782 Pathophysiology
RTE 4932 ST: Clinical Education III
RTE 4573 Advanced Imaging Modalities
RTE 4XXX* Computed Tomography Protocols or
RTE 4XXX Mag Resonance Imaging Protocols
RTE 4932 ST: Clinical Education IV
RTE 4385 Radiobiology
RTE 4932 ST: Clinical Education V - A
RTE 4932 ST: Clinical Education V - B
RTE 4473 Quality Improvement
RTE 4762 Anatomy for the Medical Imager
RTE 4206 Leadership in Radiologic Sciences
RTE 4932 ST: Advanced Clinical Practicum

5. Program Exit Requirements (127 hrs)

A minimum overall GPA of 2.50 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the radiography certification exam administered by the American Registry of Radiologic Technologists (ARRT).
### UCF Degree Programs

#### 6. Electives

- **none**

#### 7. Foreign Language Requirements (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

- **An overall GPA of 2.5**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 36 hours of course work must be completed in residency at UCF**
- **25% of course work must be completed in residency at UCF**
- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted**
- **Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)**

### Total Semester Hours Required:

- **126 hrs**

### Related Programs:

- Cardiopulmonary Sciences, Nursing, Health Services Administration

### Related Minors:

- Health Services Administration

### Transfer Notes:

- **Prerequisite Requirements**
- The prerequisite requirements for the following courses are listed below:

  - **PHY 2053C:** PR: MAC 1105 and MAC 1114 or equivalent or C.I.
  - **PCB 3703C:** PR: BSC 2010C, CHM 1032 or CHM 2045C.
  - **ZOO 3733C:** PR: BSC 2010C or equivalent.

- **Credit by Examination**

  - Credit by Exam for clinical education courses will be awarded to ARRT certified Registered Technologists who demonstrate advanced knowledge and competencies beyond the level required for entry into the 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.

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

### Community College Equivalents:

- **Human Anatomy and Physiology I and II (BSC X085C and BSC X086C or BSC 2053C and BSC 2094C)**
- **College Algebra (MAC 1105) OR (MAC 1102)**
- **College Physics I (PHY 2053C)**
- **College Physics II (PHY 2054C)**
- **Introduction to Computer Science (CGS 1060C) OR CGS X530, CGSX570, CIS X400, CIS X000, CGS X000, CGS X001, CGS X061 (no longer offered), CGS X100**

### Tentative Course Schedule for Entering Freshmen

#### RADIOLOGIC SCIENCES

<table>
<thead>
<tr>
<th>Freshman Year*</th>
<th>Fall</th>
<th>13 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>
<td></td>
</tr>
<tr>
<td>CGS 1000C</td>
<td>3</td>
<td>MAC 1114</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CHM 1032</td>
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<td>ECO 2013 or POS 2041 or ECO 2023</td>
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<tr>
<td>PHY 2053C</td>
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<td>PCB 3703C</td>
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<td>ZOO 3733C</td>
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<td>SPC 1600</td>
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<tr>
<td>EUH 2000 or HUM 2210</td>
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<td>PHY 2054C</td>
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<tr>
<td>or AMH 2010</td>
<td></td>
<td></td>
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<tr>
<td>PSY 2012 or SYG 2000 or ANT 2000</td>
<td>3</td>
<td>HUM 2230 or AMH 2020</td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Fall</th>
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<th>Spring</th>
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<tr>
<td>RTE 3000</td>
<td>3</td>
<td>RTE 3457C</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>RTE 3112</td>
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<td>RTE 3930</td>
<td>4</td>
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<td>RTE 3418C</td>
<td>3</td>
<td>RTE 3913C</td>
<td>3</td>
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</tr>
<tr>
<td>RTE 3503C</td>
<td>3</td>
<td>HSC 4550</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>RTE 3684C</td>
<td>2</td>
<td>RTE 3116</td>
<td>2</td>
<td></td>
</tr>
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<td>RTE 3930</td>
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<th>Summer</th>
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<tr>
<td>STA 2023</td>
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<td>RTE 4932</td>
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<td>RTE 3938</td>
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<td>RTE 4563</td>
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<th>Senior Year</th>
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<th>Spring</th>
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<tr>
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<td>2</td>
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<tr>
<td>RTE 4762</td>
<td>3</td>
<td>and RTE 4932**</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>RTE 4924L</td>
<td>6</td>
<td>RTE 4782</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>RTE 4573</td>
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<td>RTE 4473</td>
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<td>RTE XXXX</td>
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<td>RTE 4206</td>
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<table>
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<td>RTE 4932</td>
<td>4**</td>
</tr>
<tr>
<td>or RTE 4932</td>
<td>2</td>
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</tbody>
</table>
| and RTE 4932  | 4**     | **Completed during the Spring or Summer semester/term.**

### Radiologic Sciences (B.S.)

#### AS to BS TRACK

**Note:** For detailed information about this program, see description in the Articulated AS to BS Program section.

### Real Estate (B.S.B.A.)

#### College of Business Administration

- **BA 2101, 407-823-2184**
- **http://www.bus.ucf.edu/Real_estate**

### Admissions Requirements

- Completion of the UCF General Education Program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

### Degree Requirements

#### 1. UCF General Education Program (36 hrs)

<table>
<thead>
<tr>
<th></th>
<th>(hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communications Foundations</td>
<td>9</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>9</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>9</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td>6</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (18 hrs)

- Must be completed with a “C” (2.0) or better.
- ACG 2011 Principles of Managerial Accounting
- ACG 2071 Principles of Managerial Accounting
- ECO 2023 Principles of Macroeconomics
- ECO 3401 Quantitative Business Tools I
- ECO 3402 Quantitative Business Tools II
- GBS 2010CC Computer Fundamentals for Business
- **At UCF, students who have completed MAC 2233 and STA 2223 will be waived from ECO 2401. Students who have not completed both classes with a “C” (2.0) or better must take ECO 2401.**

#### 3. Required for All Business Majors (30 hrs)

- First or subsequent semester in the College of Business Administration:
  - GEB 3301 Cornerstone (Required in 1st or 2nd semester) | 6 hrs
  - GEB 3356 Introduction to International Business | 3 hrs
  - BUL 3130 Legal & Ethical Environments of Business | 3 hrs
  - ECO 3411 Quantitative Business Tools II | 3 hrs
  - FIN 3403 Business Finance | 3 hrs
  - MAN 3025 Management of Organizations | 3 hrs
4. Special College and/or Department Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in Real Estate must apply for admission to the major.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework can count toward another major or minor degree program.
- Students majoring in finance must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. FIN 3403 is included in this requirement.
- Students must earn at least a 2.0 GPA in the major and CBA.

5. Required Courses

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>1st Term</td>
<td>15 hrs</td>
</tr>
<tr>
<td>2nd Term</td>
<td>15 hrs</td>
</tr>
</tbody>
</table>

- **Freshman**
  - ENC 1101* 3
  - Cult-Hist I* 3
  - SPC 1600 3
  - **Elective** 3
  - **Elective** 3
- **Sophomore**
  - ECO 2023* 3
  - ACG 2021* 3
  - Science 3
  - **Elective** 3
- **Junior**
  - ECO 3401* 3
- **Senior**
  - MAN 3025 3

6. Required Courses

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Term</td>
<td>15 hrs</td>
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<tr>
<td>2nd Term</td>
<td>15 hrs</td>
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</tbody>
</table>

- **Freshman**
  - ENC 1101* 3
  - Cult-Hist I* 3
  - SPC 1600 3
  - **Elective** 3
  - **Elective** 3
- **Sophomore**
  - ECO 2023* 3
  - ACG 2021* 3
  - Science 3
  - **Elective** 3
- **Junior**
  - ECO 3401* 3
- **Senior**
  - MAN 3025 3

7. Foreign Language Requirements

- **6-8 hrs**

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

9. Electives** (variable)

Total Semester Hours Required: 120 hours

Majors who meet departmental criteria are also eligible to apply for a marketing internship (MAR 4941) and/or take the small business consulting class (MAR 5941). MAR 5941 cannot count as one of the three restricted electives required of marketing majors. For additional information about the department, curriculum, faculty, events, and careers in marketing, students are invited to visit our department homepage at: http://www.bus.ucf.edu/mar/.

Community/Junior College Transfer Notes

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Calculus, Statistics, and a relevant computer class. All 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.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
- A minimum of 12 semester hours must be completed at UCF within each individual major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

FOUR YEAR PLAN OF STUDY - REAL ESTATE

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Semester 3</th>
<th>Semester 4</th>
</tr>
</thead>
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<tr>
<td>Freshman</td>
<td>ENC 1101* 3</td>
<td>ENC 1102* 3</td>
<td>Cult-Hist I* 3</td>
<td>Cult-Hist II* 3</td>
</tr>
<tr>
<td>Sophomore</td>
<td>ECO 2023* 3</td>
<td>ACG 2021* 3</td>
<td>Science 3</td>
<td><strong>Elective</strong> 3</td>
</tr>
<tr>
<td>Junior</td>
<td>ECO 3401* 3</td>
<td>Science 3</td>
<td><strong>Elective</strong> 3</td>
<td>ECO 3401* 3</td>
</tr>
<tr>
<td>Senior</td>
<td>MAN 3025 3</td>
<td>ISM 3011 3</td>
<td><strong>Elective</strong> 3</td>
<td><strong>Elective</strong> 3</td>
</tr>
</tbody>
</table>

**General electives as required to reach 120 semester hours.

RELIGIOUS STUDIES (B.A.)

College of Arts and Humanities

Philosophy Department, CNH 411, http://www.cas.ucf.edu/philosophy/
E-mail: religion@mail.ucf.edu

Shaun Gallagher, 407-823-2273; Fax: 407-823-6658

Admission Requirements

- none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
2. Common Program Prerequisites

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)
     - PHI 3700 Philosophy of Religion
     - REL 4110 Religion and the Arts
     - POT 4632 Religion and Politics
     - SYO 4200 Sociology of Religion
     - REL 3131 Religion in America
     - ANT 3241 Magic, Ritual, and Belief
     - HUM 3431 Ancient Humanities
     - HUM 3435 Medieval Humanities
     - HUM 3255 Modern Humanities
     - HUM 3252 Contemporary Humanities
     - CLA 3850 Classical Mythology
     - CLA 3851 Comparative Mythology

c. Traditions: Religion in a Global World (9 hrs)
   - Select three courses:
     - HUM 3410 Asian Humanities
     - HUM 3417 Hindu Thought and Culture
     - HUM 3419 Islamic Thought and Culture
     - HUM 3552 Christian Thought
     - JST 3553 Moses, Jesus, and Mohammed
     - JST 3401 The Jewish People I
     - ANT 3245 Native American Religions
     - REL 3340 Buddhist Thought

d. Applications: Topics and Issues in the Study of Religion (6 hrs)
   - Select two courses:
     - REL 3162 Healing: Culture, Art, and Praxis
     - HUM 4554 Religious Quest and the Human Dilemma
     - HUM 4303 The Spiritual Ideal
     - PHI 3033 Philosophy, Religion, and the Environment
     - REL 3115 Religion and Spirituality, and Popular Music
     - REL 3432 Religion and Philosophy through Film
     - REL 3432 Roots of Western Mysticism

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):
     - HUM 3320 Contemporary Multicultural Studies
     - HUM 4301 The Classical Ideal
     - HUM 4330 Performance Theory
     - PHI 3421 Philosophy of Embodiment: Mind/Body/Self
     - PHI 3638 Ethical Issues in the 21st Century
     - PHI 3431 Ways of Knowing
     - PHI 4804 Critical Theory
     - PHP 3786 Existentialism
     - AM 3615 Harlem, Haiti, and Havana
     - LIT 4374 Literature of the Bible
     - LIT 3202 Death and Dying
     - JST 3100 The Hebrew Creative Mind
     - JST 3550 Introduction of Modernism into Judaism
     - JST 3701 History of the Holocaust
     - JST 3751 Literature of the Holocaust
     - JST 3810 The Jewish National Movement and Roots of Zionism
     - ASH 3222 Islam and its Empires
     - ASH 3222 The Modern Middle East

Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

5. Honors in the Major

Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major. Requirements are as follows:

6. Honors Thesis

- Select primarily from upper level courses, with departmental advisor’s approval.
- May be outside the department.

7. Foreign Language Requirements

Admission: Met by graduation requirement

Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives (variable)

Select from the following list:

- PHI 3421 Philosophy of Embodiment: Mind/Body/Self
- PHI 3638 Ethical Issues in the 21st Century
- PHI 3431 Ways of Knowing
- PHI 3431 Critical Theory
- PHP 3786 Existentialism
- AM 3615 Harlem, Haiti, and Havana
- LIT 4374 Literature of the Bible
- LIT 3202 Death and Dying
- JST 3100 The Hebrew Creative Mind
- JST 3550 Introduction of Modernism into Judaism
- JST 3701 History of the Holocaust
- JST 3751 Literature of the Holocaust
- JST 3810 The Jewish National Movement and Roots of Zionism
- ASH 3222 Islam and its Empires
- ASH 3222 The Modern Middle East

Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

8. Electives (variable)

Select from the following list:

- PHI 3421 Philosophy of Embodiment: Mind/Body/Self
- PHI 3638 Ethical Issues in the 21st Century
- PHI 3431 Ways of Knowing
- PHI 3431 Critical Theory
- PHP 3786 Existentialism
- AM 3615 Harlem, Haiti, and Havana
- LIT 4374 Literature of the Bible
- LIT 3202 Death and Dying
- JST 3100 The Hebrew Creative Mind
- JST 3550 Introduction of Modernism into Judaism
- JST 3701 History of the Holocaust
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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.

8. Electives (variable)

Select from the following list:

- PHI 3421 Philosophy of Embodiment: Mind/Body/Self
- PHI 3638 Ethical Issues in the 21st Century
- PHI 3431 Ways of Knowing
- PHI 3431 Critical Theory
- PHP 3786 Existentialism
- AM 3615 Harlem, Haiti, and Havana
- LIT 4374 Literature of the Bible
- LIT 3202 Death and Dying
- JST 3100 The Hebrew Creative Mind
- JST 3550 Introduction of Modernism into Judaism
- JST 3701 History of the Holocaust
- JST 3751 Literature of the Holocaust
- JST 3810 The Jewish National Movement and Roots of Zionism
- ASH 3222 Islam and its Empires
- ASH 3222 The Modern Middle East

Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.
### UCF Degree Programs

#### RESTAURANT AND FOOD SERVICE MANAGEMENT (B.S.)
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
http://www.hospitality.ucf.edu

**Degree Requirements**

1. **UCF General Education Program (GEP)** (36 hrs)
   - A. Communications Foundations
     - 9 hrs
   - B. Cultural and Historical Foundations
     - 9 hrs
   - C. Mathematical Foundations
     - Select MAC 1105 College Algebra 3 hrs
     - Select CGS 2100CC Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs
   - D. Social Foundations
     - Select ECO 2013 Microeconomics 3 hrs
     - Or
     - Select ECO 2023 Microeconomics
     - Select one:  PSY 2012, SYG 2000, ANT 2000 3 hrs
   - E. Science Foundation
     - 6 hrs

2. **Common Program Prerequisites** (6 hrs)
   - HFT 1000 Introduction to Hospitality Management 3 hrs
   - FSS 2221C Nutrition and Food Preparation 3 hrs

3. **Quantitative Tools**
   - CGS 2100CC Computer Fundamentals of Business 3 hrs
   - or STA 2023 Statistical Methods I (GEP) 3 hrs
   - ECO 2013 Microeconomics 3 hrs
   - or ECO 2023 Microeconomics (GEP) 3 hrs
   - MAC 1105 College Algebra 3 hrs

4. **Managerial Tools** (25 hrs)
   - HFT 2403 Hospitality Financial Accounting 3 hrs
   - HFT 2500 Hospitality Marketing 3 hrs
   - HFT 2220 Hospitality Human Resources 3 hrs
   - HFT 3444 Hospitality Information Systems 3 hrs
   - HFT 3600 Legal Environment in Hospitality 3 hrs
   - HFT 3431 Hospitality Managerial Accounting 3 hrs
   - HFT 3540 Guest Services Management 3 hrs
   - HFT 3261 Restaurant Management 3 hrs
   - HFT 3933 Distinguished Lectures in Hospitality Mgmt 1 hr

5. **Internship** (3 hrs)
   - HFT 3940 Internship I 1 hr
   - HFT 4941 Internship II 1 hr
   - HFT 4944 Internship III 1 hr

6. **Restaurant Management Core** (18 hrs)
   - HFT 4288 Case Studies in Restaurant Management 3 hrs
   - HFT 4343 Hospitality Facilities, Planning and Design 3 hrs
   - FSS 3124 Supply and Procurement Management 3 hrs
   - FSS 4235 Corporate Contract & Managed Services Orgs 3 hrs
   - HFT 4266 Restaurant Brand Management 3 hrs
   - HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs

7. **Special College Requirements**
   - Final exams will be given during Exam Week only.
   - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

8. **Restricted Electives** (18 hrs)
   - Choose any courses from the list below for a total of 18 credit hours
   - FSS 3223C Intermediate Techniques of Food Production 3 hrs
   - HFT 3807 Multi-Unit Food Service Operations 3 hrs
   - FSS 4286 Catering and Banquet Organization 3 hrs
   - HFT 4645 Restaurant Real Estate, Site Selection and Modeling 3 hrs
   - HFT 4851C Beverage Management 3 hrs
   - HFT 4425 Financial Analysis for Restaurant Managers 3 hrs
   - HFT 3574 Foodservice Marketing, Advertising, and Promotion Management 3 hrs
   - HFT 4269 Case Studies in Multi-Unit Restaurant Mgt 3 hrs
   - HFT 3654 Franchising in the Restaurant Industry 3 hrs
   - HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
   - HFT 4453 Food, Beverage and Labor Cost Controls 3 hrs
   - FSS 3008 Culture and Promotion Management 3 hrs
   - HFT 3610 Law and Restaurant Management 3 hrs
   - HFT 3285 International Restaurant Corporation Management 3 hrs
   - HFT 4284 Training and Employee Performance in the Food Service Industry 3 hrs
   - HFT 3834 Topics in Restaurant & FoodService Management 3 hrs
   - HFT 4864C Seminar in Quality Brewing and Fine Beer 3 hrs
   - HFT 4866C Exploring Wines of the World 3 hrs
   - HFT 4844 Sanitation in the Food Service Industry 3 hrs
   - HFT 4462 Hospitality Industry Finance 3 hrs
   - HFT 4286 Hospitality Communications 3 hrs
   - HFT 4898 History of Wine and Culture 3 hrs
   - HFT 4894 International Gastronomy 3 hrs

9. **Foreign Language Requirements** (0-8 hrs)
   - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

10. **University Minimum Exit Requirements**
   - A 2.0 UCF GPA
   - 48 hours of upper division credit completed
   - 30 semester hours of coursework completed in residency (last 30 hours) at UCF
   - A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
   - Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable).

11. **Unrestricted Electives** (6 – 14 hrs)
   - As necessary to result in 120 total credit hours.

#### Four Year Plan of Study for B.S. Restaurant and Food Service Management*

Plan your required nine summer credit hours into your course of study.

**Freshman Year**

**Fall**
- ENC 1101 - Eng Comp I 3 hrs
- Cult/Hist Found Sequence I 3 hrs
- CGS 2100CC or STA 2023 3 hrs
- HFT 1000 - Intro to Hosp Man 3 hrs
- PSY 2012, SYG 2000, or ANT 2000 3 hrs

**Spring**
- ENC 1102 - Eng Comp II 3 hrs
- Cult/Hist Found Sequence II 3 hrs
- MAC 1105 - College Algebra 3 hrs
- FSS 2221C - Quant Food Prep 3 hrs
### Science Foundations (6 hrs)
Complete the University General Education requirements or its equivalent.

### Junior Year
**Fall**
- 14 Hrs Spring
  - HFT 3540 - Guest Svc Mgnt
  - 3 Hrs
  - HFT 4266 - Rest Brand Mgnt
  - 3 Hrs
  - HFT 3431 - Hospitality Mgr Acct
  - 3 Hrs
  - HFT 4281 - Leader Strategies
  - 3 Hrs
  - HFT 3940 - Internship I
  - 1 Hr
  - HFT 3933 - Dist Lect in Hosp
  - 1 Hr

**Spring**
- 16 Hrs
  - HFT 3941 - Internship II
  - 1 Hr
  - HFT 3540 - Guest Svc Mgnt
  - 3 Hrs
  - HFT 3940 - Internship I
  - 1 Hr

### Senior Year
**Fall**
- 15 Hrs Spring
  - Rest & F.S. Elective
  - 3 Hrs
  - Rest & F.S. Elective
  - 3 Hrs
  - HFT 4944 - Internship III
  - 1 Hr
  - Rest & F.S. Elective
  - 3 Hrs
  - Rest & F.S. Elective
  - 3 Hrs
  - FSS 4844 - Sanitation & Safety
  - 3 Hrs
  - Rest & F.S. Elective
  - 3 Hrs

### Science Education - Biology (B.S.)

#### College of Education
#### Department of Teaching and Learning Principles
#### ED 209

http://www.education.ucf.edu/

Program Coordinator: Dr. Aldrin Sweeney

ED 123-L, 407-823-2561

E-mail: asweeney@pegasus.cc.ucf.edu

#### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete prerequisite courses.

#### Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

#### 1. UCF General Education Program (36 hrs)

<table>
<thead>
<tr>
<th>A. Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
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<tr>
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<td>3 hrs</td>
</tr>
<tr>
<td>Select PHI 2010 Introduction to Philosophy</td>
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<thead>
<tr>
<th>C. Mathematical Foundations</th>
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<tbody>
<tr>
<td>Select MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
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#### 2. Common Program Prerequisites (31 hrs)

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<th>A. Communications</th>
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<td>ENC 1101 Composition I</td>
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<thead>
<tr>
<th>B. Humanities</th>
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<tbody>
<tr>
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<td>3 hrs</td>
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<tr>
<td>Select one:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2050 History of Western Art I or ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 2010 Enjoyment of Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2000 Theatre Survey or FIL 2400 History of Motion Pictures</td>
<td>3 hrs</td>
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#### 3. Education Core Requirements (15 hrs)

<table>
<thead>
<tr>
<th>A. Science</th>
<th>(9 hrs)</th>
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</thead>
<tbody>
<tr>
<td>BSC 2105 Concepts of Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2105L Concepts of Biology Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B. Mathematics</th>
<th>(9 hrs)</th>
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</thead>
<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>C. Social Science/History</th>
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<tbody>
<tr>
<td>AMH 2010 U.S. History 1492-1877</td>
<td>4 hrs</td>
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<tr>
<td>AMH 2020 U.S. History 1877-Present</td>
<td>4 hrs</td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>D. Diversity Courses</th>
<th>GEP</th>
</tr>
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<tbody>
<tr>
<td>GEH 1010 Diversity</td>
<td>GEP</td>
</tr>
<tr>
<td>GEH 1020 Diversity</td>
<td>GEP</td>
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<tr>
<td>GEH 1030 Diversity</td>
<td>GEP</td>
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<tr>
<td>GEH 1050 Diversity</td>
<td>GEP</td>
</tr>
<tr>
<td>GEH 1060 Diversity</td>
<td>GEP</td>
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<table>
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<tr>
<th>E. Science</th>
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<td>BSC 2105 Concepts of Biology</td>
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<table>
<thead>
<tr>
<th>F. Education Courses</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Introduction to Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2701 Teaching Diverse Populations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Technology for Educators</td>
<td>3 hrs</td>
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<tr>
<th>G. Diversity Courses</th>
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<td>GEP</td>
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<tr>
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<td>GEP</td>
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<thead>
<tr>
<th>H. Other Program Prerequisites</th>
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<tbody>
<tr>
<td>BSC 2105 Concepts of Biology</td>
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<table>
<thead>
<tr>
<th>I. Internship I Block</th>
<th>(7 hrs)</th>
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<tbody>
<tr>
<td>SCE 3360 Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ESE 3940 Internship I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 4. Internship I Block (7 hrs)

| SCE 3360 Science Instructional Analysis | 4 hrs |
| ESE 3940 Internship I | 3 hrs |

#### 5. Specialization Requirements (22 hrs)

<table>
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<tr>
<th>A. Communication Foundations</th>
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<tr>
<th>D. Social Foundations</th>
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<tbody>
<tr>
<td>Prefer POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select PSY 2012 General Psychology</td>
<td>3 hrs</td>
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</tbody>
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<table>
<thead>
<tr>
<th>E. Science Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer PSC 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 2002 Astronomy or GEO 1200 Physical Geography or GLY 1030 Geology and its Applications</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| Note: See laboratory component under Section 2. | |

<table>
<thead>
<tr>
<th>2. Common Program Prerequisites</th>
<th>(31 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>GEP</td>
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</tbody>
</table>

#### 6. Restricted Elective (3 hrs)
One 3000- or 4000-level BSC, MCB, PCB, or ZOO course with advisor's approval.
7. Internship II (ESE4943) (12 hrs)
- SCE 4360 and at least 80% of all required biology courses must be completed before doing Internship II
- See additional requirements under College of Education, Office of Clinical Experiences
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education 6A-5.065

8. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

9. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Program Semester Hours Required 126 hours
At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

12. Recommended Four-Year Sequence of Courses

**Freshman Year**

**Fall**
- EDF 2005 3 hrs
- ENC 1101 3 hrs
- MGF 1106 3 hrs
- PSY 2012 3 hrs

**Summer**
- EME 2040 3 hrs
- POS 2041 3 hrs

**Sophomore Year**

**Fall**
- AMH 2010 3 hrs
- BSC 2010C w/ lab 4 hrs
- CHM 2045C 4 hrs
- SPC 1600 3 hrs
- STA 2014C 3 hrs

**Summer**
- AST 2002 3 hrs
- ARH 2050 or 3 hrs
- MUL 2010 or THE 2000 or FIL 2400

**Junior Year**

**Fall**
- EDF 4214 3 hrs
- EDG 4323 3 hrs
- PCB 3044 3 hrs
- PCB 3044L 1 hr

**Spring**
- MCB 3020C 5 hrs
- PCB 3063 3 hrs
- PCB 3063L 1 hr
- TSL 4080 3 hrs

**Senior Year**

**Fall**
- ESE 3940 3 hrs
- SCE 4360 4 hrs

**Spring**
- Upper div restricted elect 3 hrs

**Sophomore Year**
- EDF 4603 3 hrs
- ESE 4943 12 hrs

**Freshman Year**
- STA 1060C Basic Statistics using MS Excel 3 hrs
- MGF 1106 Finite Mathematics GEP 3 hrs
- PHI 2010 Introduction to Philosophy GEP 3 hrs
- AMH 2010 U.S. History 1492-1877 3 hrs
- PHI 2030 American National Government 3 hrs
- LAE 4361 3 hrs

**Junior Year**
- ESE 3940 3 hrs
- EDF 4603 3 hrs
- SCE 4360 4 hrs

**Senior Year**
- ESE 4943 12 hrs

**Science Education - Chemistry (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles**

**ED209**

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

**Program Coordinator:** Dr. Aldrin Sweeney
**ED 123-L, 407-823-2561**
**E-mail:** asweeney@pegasus.cc.ucf.edu

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete prerequisite courses

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. **UCF General Education Program** (37 hrs)

- **A. Communication Foundations** (9 hrs)
  - ENC 1101 Composition I
  - ENC 1102 Composition II
- Select SPC 1600 Fundamentals of Oral Communication 3 hrs

- **B. Cultural-Historical Foundations** (9 hrs)
- Select AMH 2010 U.S. History 1492-1877 3 hrs
- Select AMH 2020 U.S. History 1877-Present 3 hrs

- **C. Mathematical Foundations** (6 hrs)
- Select MGF 1106 Finite Mathematics 3 hrs

- **D. Social Foundations** (6 hrs)
- Prefer POS 2041 American National Government 3 hrs

- **E. Science Foundations** (7 hrs)
- PHY 2053C College Physics (includes lab) 4 hrs

- **F. Foreign Language** (9 hrs)
- Select one:
  - AST 2002 Astronomy
  - GEO 1200 Physical Geography
  - GLY 1030 Geology and its Applications

2. **Common Program Prerequisites** (23 hrs)

- **A. Communications** (9 hrs)
  - ENC 1101 Composition I
  - ENC 1102 Composition II
  - SPC 1600 Fundamentals of Oral Communication

- **B. Humanities** (6 hrs)
- PHI 2030 Introduction to Philosophy

- **C. Mathematics** (9 hrs)
- MGF 1106 Finite Mathematics

- **D. Social Foundations** (6 hrs)
- Prefer Select one:
  - ARH 2050 The History of Art I
  - ARH 2051 The History of Art II
  - MUL 2010 Enjoyment of Music
  - THE 2000 Theatre Survey
  - FIL 2400 History of Motion Pictures

- **E. Science Foundations** (5 hrs)
- PHY 2053C College Physics (includes lab)
- Select one:
  - MCB 3020C Basic Statistics using MS Excel
SCIENCE EDUCATION - PHYSICS (B.S.)
College of Education
Department of Teaching and Learning Principles, ED 209
http://www.education.ucf.edu/
Program Coordinator: Dr. Aldrin Sweeney
ED 123-L, 407-823-2561
E-mail: asweeney@pegasus.cc.ucf.edu

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12. Total Program Semester Hours Required 127 hrs
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<tr>
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<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
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<td></td>
</tr>
<tr>
<td>Sophomore</td>
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<td>Junior</td>
<td></td>
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</tr>
<tr>
<td>Senior</td>
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</table>

Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college.
UCF Degree Programs

nity college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete prerequisite courses

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

A. Communication Foundations
   - ENC 1101 Composition I
   - ENC 1102 Composition II
   - SPC 1600 Fundamentals of Oral Communication
   - STA 1001C Basic Statistics using MS Excel or STA 2014C Principles of Statistics

B. Social Foundations
   - Select AMH 2010 U.S. History 1492-1877
   - Select AMH 2020 U.S. History 1877-Present
   - Select PHI 2010 Introduction to Philosophy

C. Mathematical Foundations
   - Select MAT 1033 College Algebra
   - Select one:
     - STA 2014C Principles of Statistics

D. Social Foundations
   - Prefer POS 2041 American National Government
   - Select PSY 2012 General Psychology

E. Science Foundations
   - Select PHY 2048 Physics for Engineers & Scientists I
   - Select one:
     - MAC 2313 Calculus with Analytic Geometry III

2. Common Program Prerequisites (21 hrs)

A. Communications
   - ENC 1101 Composition I
   - ENC 1102 Composition II
   - SPC 1600 Fundamentals of Oral Communication
   - STA 1001C Basic Statistics using MS Excel or STA 2014C Principles of Statistics

B. Humanities
   - PHI 2010 Introduction to Philosophy

C. Social Science/History
   - Select one:
     - ARH 2050 The History of Art I
     - ARH 2051 The History of Art II
     - MUL 2010 Enjoyment of Music
     - THE 2000 Theatre Survey

D. Mathematics
   - MAC 1105 College Algebra
   - One of the following (per GEP)
     - STA 1001C Basic Statistics using MS Excel or STA 2014C Principles of Statistics

E. Science
   - Select one:
     - BSC 2010C Biology I

3. Education Core Requirements (15 hrs)

A. Professional Teaching Practices
   - EDF 3940 Internship I

B. Curriculum and Instruction
   - SCE 4360 Science Instructional Analysis

C. Diversity Courses
   - EME 2040 Technology for Educators

4. Internship I Block (7 hrs)
   - SCE 4360 Science Instructional Analysis
   - ESE 3940 Internship I

- Program Internship I Prerequisites: EDC 4323 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" in all of these prerequisite courses.

- See additional requirements listed under College of Education, Office of Clinical Experiences

5. Social Science/History (12 hrs)

- Select one:
  - MAC 2313 Calculus with Analytic Geometry III
  - PHY 2048L Physics Lab for Engineers & Scientists I
  - PHY 2049 Physics for Scientists II

6. Mathematics (10 hrs)

- Select one:
  - MAC 2311 Calculus with Analytic Geometry I
  - PHY 2048L Physics Lab for Engineers & Scientists I

7. Language Proficiency (3-6 hrs)

- Select one:
  - GE 1010 English as a Second Language

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 Practises at the pre-professional level in accordance with State Board of Education 6A-5.065

10. University Exit Requirements

- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practises.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. Total Semester Hours Required: 125 hours

At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

12. Recommended Four-Year Sequence of Courses

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 hrs</td>
<td>16 hrs</td>
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<tr>
<td>EDF 2005</td>
<td>ENC 1101</td>
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<tr>
<td>EDC 2004</td>
<td>EDG 2701</td>
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<tr>
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<tr>
<td>EDC 1105</td>
<td>MAC 2311</td>
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<tr>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESE 3940</td>
<td>ESE 3940</td>
</tr>
<tr>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Summer (6 hrs)  
EME 2040 3 hrs  
POS 2041 3 hrs  

Sophomore Year  
Fall (17 hrs)  
AMH 2010 3 hrs  
BSC 2010C w/lab 4 hrs  
MAC 2212 4 hrs  
SPC 1600 3 hrs  
STA 2014C 3 hrs  

Spring (14 hrs)  
AMH 2020 3 hrs  
CHM 2045C 4 hrs  
ARH 2050 or MUL 2010 3 hrs  
MUL 2010 or FIL 2400  

Summer (4 hrs)  
PHY 2048L 1 hr  

Junior Year  
Fall (14 hrs)  
CHM 2046 3 hrs  
CHM 2046L 1 hr  
EDG 4323 3 hrs  
TSL 4080 3 hrs  

PHY 2049L 1 hr  

Spring (14 hrs)  
EDP 4214 3 hrs  
LAE 4361 3 hrs  
PHY 2049 3 hrs  
PHY 2049L 1 hr  

Upper div rest’d elect 4 hrs  
Upper div rest’d elect 4 hrs  

Summer (3 hrs)  
PHY 3101  

Senior Year  
Fall (13 hrs)  
EDF 4603 3 hrs  
ESE 3940 3 hrs  
SCE 4360 4 hrs  
PHY 3752C 3 hrs  

Spring (12 hrs)  
ESE 4943 12 hrs  

SOCIAL SCIENCES (B.S.)  
Office of Undergraduate Studies  
Office of Liberal and Interdisciplinary Studies  
http://liberalstudies.info  
E-mail: ls@mail.ucf.edu

Admission Requirements none

Degree Requirements  
■ Students who change degree programs and select this major must adopt the most current catalog.  
■ Students must have declared a Social Sciences major at least one semester before graduation  
■ Co-op and internship credit cannot be used in this major  
■ Independent study forms must be approved by the director prior to taking an independent study for use in the Restricted Elective sections.  
■ Students must earn at least a “C” (2.0) in each core requirement and restricted elective course  
■ Students should consult with a Liberal Studies advisor when entering the program  
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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 MAC 1105 College Algebra (or higher) 3 hrs  
Select STA 2023 Statistical Methods I 3 hrs  
D. Social Foundations 3 hrs  
Select ECO 2013 or POS 2041, depending on concentration to be followed 3 hrs
 Select PSY 2012 or SYG 2000, depending on E.M. concentration to be followed 3 hrs  
E. Science Foundations 6 hrs

2. Common Program Prerequisites (6 hrs)  
Select no more than two lower level Social Science courses in any one area in the Restricted Elective section.  
* Asterisk indicates appropriate courses in the Restricted Electives section.

3. Core requirements (3 hrs)  
Select one course  
POS 3703 Scope and Methods of Political Science 3 hrs  
PSY 3213C Research Methods in Psychology 3 hrs  
SYA 4300 Research Methods (Sociology) 3 hrs

4. Restricted Electives (60 hrs)  
Select a minimum of 15 semester hours in each of four of the following six Social Science disciplines.  
A. Communication  
COM 3311 Communication Research Methods 3 hrs

B. Economics  
*ECO 2013 Principles of Microeconomics 3 hrs

*ECO 2023 Principles of Microeconomics 3 hrs

Select three more Economics courses 9 hrs

C. Political Science  
*POS 2041 American National Government 3 hrs

D. Psychology  
*PSY 2012 General Psychology 3 hrs

PPE 3003 Personality Theory 3 hrs

Select three more Psychology courses 9 hrs

E. Public Affairs  
Select one course 3 hrs

F. Sociology/Anthropology  
SYG 2000 General Sociology 3 hrs

*ANT 2000 General Anthropology 3 hrs

Select three additional Sociology/Anthropology courses 9 hrs

5. Departmental Exit Requirements  
■ Maintain a minimum GPA of 2.0 in each of four Social Science disciplines

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 semester of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies, or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement (see Liberal Studies advisor).

7. Electives (variable)  
Select primarily from upper level courses, with a Liberal Studies advisor’s approval.

8. University Minimum Exit Requirements  
■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded  
■ 48 semester hours of upper division credit completed  
■ 30 of the last 36 hours of course work must be completed in residence at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted  
■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours
Related Programs: Liberal Studies, Liberal Arts
Related Minors: Anthropology, Communication, Economics, Political Science, Psychology, Public Administration, Sociology

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- Any two introductory Social Sciences courses could meet admission requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

SOCIAL SCIENCE EDUCATION (B.S.)
College of Education
Department of Teaching and Learning Principles, ED 209
http://pegasus.cc.ucf.edu/~wgaudell
Program Coordinator: Dr. William Gaudelli
ED 115-H, 407-823-0215
E-mail: wgaudell@mail.ucf.edu

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test and/or CLAST examination (no alternatives or waivers are accepted).
- Complete prerequisite courses.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
      ENC 1101 Composition I 3 hrs
      ENC 1102 Composition II 3 hrs
      Select SPC 1600 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundations (9 hrs)
      Select AMH 2010 U.S. History 1492-1877 3 hrs
      Select AMH 2020 U.S. History 1877-Present 3 hrs
      Select PHI 2010 Introduction to Philosophy 3 hrs
   C. Mathematical Foundations (6 hrs)
      Select MGF 1106 Finite Mathematics 3 hrs
      Select one:
         STA 1060C Basic Statistics using MS Excel or STA 2023C Principles of Statistics 3 hrs
   D. Social Foundations
      Prefer POS 2041 American National Government 3 hrs
      Select PSY 2012 General Psychology 3 hrs
   E. Science Foundations (6 hrs)
      Select one:
      Prefer SPC 1121 Physical Science 3 hrs
      Select one:
      ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

   Note: See laboratory component under Section 2.

2. Common Program Prerequisites (25 hrs)
   A. Communications
      ENC 1101 Composition I 3 hrs
      ENC 1102 Composition II 3 hrs
      SPC 1600 Fundamentals of Oral Communication 3 hrs
   B. Humanities
      PHI 2010 Introduction to Philosophy 3 hrs
      Select one:
      ARH 2050 History of Western Art I or ARH 2051 History of Western Art II or MUL 2010 Enjoyment of Music or THE 2000 Theatre Survey or FIL 2400 History of Motion Pictures 3 hrs

   C. Mathematics (9 hrs)
      MAC 1105 College Algebra 3 hrs
      MGF 1106 Finite Mathematics 3 hrs
      One of the following (per GEP) 3 hrs
      STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics 3 hrs

   D. Social Science/History (12 hrs)
      AMH 2010 U.S. History 1492-1877 3 hrs
      AMH 2020 U.S. History 1877-Present 3 hrs
      POS 2041 American National Government 3 hrs
      PSY 2012 General Psychology 3 hrs

   E. Science (9 hrs + lab)
      Select one:
      PSC 1121 Physical Science 3 hrs
      One of the following (per GEP) 3 hrs
      Select one associated science lab: 1 hr
      BSC 1005L Biological Principles Laboratory 3 hrs
      PSC 1211L Physical Science Laboratory 1 hr

   F. Education Courses (9 hrs)
      EDF 4205 Introduction to Education 3 hrs
      EDF 2701 Teaching Diverse Populations 3 hrs
      EME 2040 Technology for Educators 3 hrs

   G. Diversity Courses

   H. Other Program Prerequisites (6 hrs)
      SYG 2000 General Sociology 3 hrs
      ECO 2013 Macroeconomics 3 hrs

   3. Education Core Requirements (15 hrs)
      EDG 4323 Professional Teaching Practices 3 hrs
      EDF 4603 Analysis of Critical Issues in Education 3 hrs
      EDF 4214 Classroom Learning Principles 3 hrs
      TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
      Students in Schools
      LAE 4361 Literacy Strategies for Mid/High School 3 hrs

   4. Internship I Block (7 hrs)
      SSE 4381 Social Science Instructional Analysis 4 hrs
      ESE 3940 Internship I 3 hrs
      Program Internship I Prerequisites: EDF 4323 and at least 50% of all required social science courses must be completed prior to Internship I with a minimum grade of “C-” in all of these prerequisite courses.
      SSE 3941 should be taken concurrently with ESE 3940
      Related requirements listed under College of Education, Office of Clinical Experiences

   5. Specialization Requirements (27 hrs)
      EIU 2000 Western Civilization I 3 hrs
      EIU 2001 Western Civilization II 3 hrs
      AMH 2010 US History 1492-1877 3 hrs
      AMH 2020 US History 1877-Present 3 hrs
      SYG 2000 General Sociology 3 hrs
      ECO 2013 Macroeconomics 3 hrs
      ECO 2023 Microeconomics 3 hrs
      GEO 3471 World Political Geography 3 hrs
      Upper Division Non-Western History Elective: 3 hrs
      Upper Division Political Science Electives: 6 hrs
      (LAH, APH, or ASH prefix courses)
      Upper Division American History Electives: 6 hrs
      (AMH 3/4XXX)

   6. Internship II (ESE4943) (12 hrs)
      SSE 4361 and at least 80% of all social science courses must be completed before doing Internship II
      See additional requirements under College of Education, Office of Clinical Experiences
      Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education 6A-5.065

   7. Foreign Language Requirements (0-8 hrs)
      State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
8. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

9. University Minimum Exit Requirements
- 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

10. Total Program Semester Hours Required 122 hrs
At the time this catalog went to press, actions were underway to reduce this degree program length to 120 hours. Consult with your advisor and review your degree audit for more recent information.

11. Recommended Sequence of Program Courses:

Freshman Year
Fall (12 hrs) Spring (15 hrs)
EDF 2005 3 hrs BSC 1005 3 hrs
ENC 1101 3 hrs EDG 2701 3 hrs
MGF 1106 3 hrs ENC 1102 3 hrs
PSY 2012 3 hrs MAC 1105 3 hrs
Summer (6 hrs) POS 2041 3 hrs
EME 2040 3 hrs
SPC 1500 3 hrs
Sophomore Year
Fall (16 hrs) Spring (15 hrs)
AMH 2010 3 hrs AMH 2020 3 hrs
ECO 2013 3 hrs AST 2002 3 hrs
PSC 1121 3 hrs ECO 2023 3 hrs
PSC 1121L 1 hr GEO 3471 3 hrs
STA 2014C 3 hrs PHI 2010 3 hrs
SYG 2000 3 hrs
Summer (3 hrs) ARH 2050 or 3 hrs
MUL 2010 or
THE 2000 or
FIL 2400
Junior Year
Fall (15 hrs) Spring (13 hrs)
EDF 4214 3 hrs Upper Div Political 3 hrs
EDG 4123 3 hrs Sci Elect (POS 3/4XXX)
EHU 2000 3 hrs Upper Div Am Hist Elect 3 hrs
Upper Div Non-Western 3 hrs (AMH 3/4XXX)
Hist Elect
(APH/ASH/HLA 3/4XXX)
Upper Div Political 3 hrs ESE 4361 4 hrs
Sci Elect (POS 3/4XXX)
Summer (3 hrs) EUH 2001 3 hrs
Senior Year
Fall (12 hrs) Spring (12 hrs)
EDF 4603 3 hrs ESE 4943 12 hrs
LAE 4361 3 hrs
TSL 4080 3 hrs
Upper Div Am Hist elective (AMH 3/4XXX)

SOCIAL WORK (B.S.W.)
College of Health and Public Affairs
HPA1 204, 407-823-2114
http://www.cooha.ucf.edu/social/
Director: Mary Van Hook
Undergraduate Program Coordinator: Robin Kohn
E-mail: rkohn@mail.ucf.edu

Admission Requirements - Limited Access
Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
- Admission to the University
- A 2.5 overall GPA
- An AA (from a Florida State Community College) or UCF General Education Program, Gordon Rule, and CLAST
- 15 semester hours common program prerequisites (see Section 2 below for list of courses)
- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students should complete the General Education Program, the CLAST and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students should consult with a school advisor
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 is required in all Social Work courses with at least a grade of "C-" in each course.
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510) and graduation from the Social Work Program
- Students must complete all the requirements listed in 1-11 below

1. UCF General Education Program (36 hrs)
A. Communication Foundations 9 hrs
- Prefer SPC 1900
B. Cultural Historical Foundations 9 hrs
- Select MGF 1106 Finite Math
C. Mathematical Foundations 6 hrs
- Select STA 2023 Principles of Statistics or STA 2023 Statistical Methods I
D. Social Foundations 6 hrs
1. Select POS 2041
2. Select PSY 2012
E. Science Foundations 6 hrs
- Select BSC 1005 or MCB 1310
- Select a listed science course

2. Common Program Prerequisites* (15 hrs)
- POS 2041 American Government
- BSC 1005 Biology
- ECO 2013 or Macroeconomics or
- ECO 2023 Microeconomics
- PSY 2012 Psychology
- SYG 2001 Sociology
- *See transfer notes

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
**Children's Services Certificate:** This certificate is open only to students in the undergraduate social work program (BSW). The Children’s Services Certificate is designed to prepare students to work with children and families who are facing issues of abuse or neglect, or are involved in some way with the child welfare system. Students learn to assess abuse and neglect and to develop appropriate ways to work with the families and elements of the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

**Addictions Certificate:** This certificate is open only to students in the undergraduate social work program (BSW). Addiction courses may be taken as electives by non-majors and be applied to the state requirements for more options.

Addictions have a profound impact on the lives of many people, their families, and their communities. Students will learn about patterns of addictions in society and prevention and intervention strategies. The certificate program includes academic work through courses in social work skills in the area of addictions. The certificate program and/or the addiction specific courses will enable students to earn credit toward their certification through the Certification Board for Addiction Professionals of Florida.

**Related Minors:** Health Services Administration, Aging Studies, Psychology, Sociology

**Honors in the Major Requirements**
1. Complete a three-credit directed reading course/or a three-credit COHPA1 inter disciplinary 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

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**Tentative Course Schedule for Entering Freshmen**

**Freshman Year**

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<th>Fall</th>
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<tr>
<td>ENC 1101</td>
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<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005 or MCB 1310</td>
<td>3</td>
<td>MGF 1106</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000 or PSY 2012</td>
<td>3</td>
<td>PSY 2012 or SYG 2000</td>
<td>3</td>
</tr>
<tr>
<td>STA2014C</td>
<td>3</td>
<td>MUL 2010 or THE 2000</td>
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<tr>
<td>PAF 2102</td>
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<td>or REL 2300 or PHI 2010</td>
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<td>POS 2041</td>
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**Sophomore Year**

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<td>Foreign Lang II or</td>
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<tr>
<td>EUH 2000 or WOH 2012 or</td>
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<td>HUM 2230 or AMH 2020</td>
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**Junior Year**

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<td>SOW 3300</td>
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<tr>
<td>SOW Elective</td>
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<td>SOW 3620</td>
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<td>STA2014C or Elective</td>
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**Senior Year**

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**SOCIOLGY (B.A.)**

**College of Sciences**

**Department of Sociology and Anthropology**

PH 403, 407-823-2227

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

E-mail: sociology@ucf.edu

J. Corzine, 407-823-2227

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.
Admission Requirements
none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology and Anthropology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a “C” (2.0) or higher in all core courses.
- Co-op credit cannot be used in this major.
- Students should consult annually with a departmental advisor.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
A. Communication Foundations 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
none
(It is suggested that transfer students complete two lower-level courses with the prefix SYA, SYD, SYG, SYO, or SYP.)

3. Core requirements (15 hrs)
SYG 2000 General Sociology GEP
SYA 3400 Research Methods and Statistics 4 hrs
SYA 4300 Research Methods 4 hrs
SYA 4450 Data Analysis 4 hrs
SYA 3110 Development of Social Thought 3 hrs

4. Restricted Electives (27 hrs)
Select from the following
SYG 2000 General Sociology
SYA 3120 Modern Sociological Thought
SYA 4650CC Applied Sociology
SYA 5255 Proseminar
SYA 5937 Advanced Population
SYD 3410 Urban Sociology
SYD 3700 Race & Ethnic Minorities in the US
SYD 3800 Sex Roles in Modern Society
SYD 4020 Anthropology
SYD 4510 Environmental Sociology
SYD 4810 Women in Contemporary Society
SYD 4813 Women and Social Policy
SYG 2100 Social Problems
SYO 3000 Modern Sociology
SYO 3360 Social Organization & Human Relations
SYO 3410 Sociology of Mental Illness
SYO 3530 Social Stratification
SYO 4100 Family Trends
SYO 4200 Sociology of Religion
SYO 4250 Sociology of Education
SYO 4300 Political Sociology
SYO 4400 Medical Sociology
SYO 3300 Collective Behavior
SYO 3400 Social Change
SYO 3510 Sociology of Deviant Behavior
SYO 3511 Sociology of Murder
SYO 3520 Criminology
SYO 3530 Juvenile Delinquency
SYO 3540 Sociology of Law
SYO 3551 Sociology of Alcoholism
SYO 3562 Socio Perspect on Domestic Violence
SYO 3602 Sociology of Popular Music
SYO 3630 Sociology of Popular Culture
SYO 3650 Sociology and Sport
SYO 4000 Sociological Social Psychology
SYO 4004 Constructing Social Issues
SYO 4323 Social Systems and Diversity
SYO 4514 Sociology of Violence
SYO 4521 Criminal Victimization in Society
SYO 4536 Gangs and Society
SYO 4550 Sociology of Drug Abuse

5. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of “C” (2.0) in all core courses.
- Computer Competency met by SYA 4450.
- Students will be required to take a standard exit exam.

6. Foreign Language Requirements (0-8 hrs)
Admission: Met by graduation requirement.
Graduation: Proficiency equivalent to 2 semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Enhancement Requirement (0-3 hrs)
Demonstrate proficiency equivalent to a third semester of a language, or complete an Enhancement course on the list maintained by the department.

8. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. These courses may be outside of the department.

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required 120 hours

Related Programs: Anthropology, Criminal Justice
Related Minors: African-American Studies, American Studies, Anthropology, Anthropology in Multicultural Studies, Asian Studies, Canadian Studies, Judaic Studies, Latin American Studies, Russian Area Studies, Sociology, and Women’s Studies

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
Math test See catalog 0

Freshman Year
Fall
ENC 1101 Composition I 3
MAC 1105* req# 1C1-GEP
SYP 4730 Sociology of Aging
SYP 4734 Minority Aging
SYP 5525 Sociological Criminology
SPN 1102 Composition II 3
STA 2014C Prin of Statistics 3
SYA 5937 Advanced Population 3
SYG 2000 General Sociology 3
SPN 1121* req# Lang/Elec 4

Spring
ENC 1101 Composition I 3
MAC 1105* req# 1C1-GEP
SYP 4730 Sociology of Aging
SYP 4734 Minority Aging
SYP 5525 Sociological Criminology
SPN 1102 Composition II 3
STA 2014C Prin of Statistics 3
SYA 5937 Advanced Population 3
SYG 2000 General Sociology 3
SPN 1121* req# Lang/Elec 4
Sophomore Year

Fall
- ANT 2511* req# 1E2-GEP 3
- EUH 2000* req# 1B1-GEP 3
- SYD 3700* req# 4-ResElect 3
- SPN 2200* req# 7-Enhancmt 3
- Elective* Check restrictions 3

Spring
- COM 3000* req# 1A3-GEP 3
- RLC 2300* req# 1B2-GEP 3
- SYD 3100 req# 4 - Res elec 4
- SYD 3800 req# 4-ResElect 3
- Elective* Check restrictions 3

Junior Year

Fall
- POS 2041* req# 1D1-GEP 3
- PSC 1121* req# 1E1-GEP 3
- SYA 4300 Res Methodsp* 4
- SYD 3410* req# 4-ResElect 3
- Elective* Check restrictions 2

Spring
- PHI 2010* req# 1B3-GEP 3
- SYA 4100 The Dev of Soc Th 3
- SYA 4450 Data Analysis 4
- SYD 4100* req# 4-ResElect 3
- Elective* Check restrictions 3

Senior Year

Fall
- SYA 3120* req# 4-ResElect 3
- SYO 3530* req# 4-ResElect 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 2

Spring
- SYP 3510* req# 4-ResElect 3
- SYP 3520* 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://pegasus.cc.ucf.edu/~forlang
E-Mail: modernlanguage@ucf.edu
P. Giordano, 407-823-2472

Admission Requirements

Placement in Language courses
- Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year.
- Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in Spanish must be taken at the 3000 level or above
- At least 6 of the 36 Spanish credits must be at the 4000 level
- At least 30 hours must be taken in Modern Language courses taught in Spanish
- Students must earn at least a “C” (2.0) in each upper division Spanish course
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Prefer MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 1060C Statistics Using Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Social Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 1100* Elem Spanish Lang &amp; Civ I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPN 1111* Elem Spanish Lang &amp; Civ II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPN 2200* Intern Spanish Lang &amp; Civ I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 2201* Intern Spanish Lang &amp; Civ II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* May be met by proficiency test or completion of SPN2201

3. Core requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3300* Adv Spanish Gram and Comp</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3420* Spanish Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3760* Adv Spanish Oral Comm</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3100 &amp; 3101 Survey of Spanish Literature</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

4. Upper Division Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 4510 Spanish Civ &amp; Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 4520 Latin American Civ &amp; Culture</td>
<td>9 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 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

Admission: Met by Graduation requirements.
Graduation: Met by Common Program Prerequisites.

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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hours

Related Programs: 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.
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
ENG 1105 req# 1C1-GEP 3
SPN 1121* req# 2-CP 4
Elective* Check restrictions 3

Spring
ENC 1102 Composition II 3
STA 1060C req# 1C2-GEP 3
SPN 1121* req# 2-CPP 4
Elective* Check restrictions 4

Sophomore Year
Fall
AMH 2010* req# 1B1-GEP 3
ART 2505 req# 1B3-GEP 3
POS 2041* req# 1D1-GEP 3
PSC 1201* req# 1E1-GEP 3
SPN 2200* req# 2-CP 3

Spring
BSC 1005* req# 1E2-GEP 3
MUL 2010* req# 1B2-GEP 3
COM 1000* req# 1A3-GEP 3
SPN 2201* req# 2-CPP 3
Elective* Check restrictions 3

Junior Year
Fall
SPN 3300 Adv Spa Gram Comp 3
SPN 3420 Spanish Comp 3
SPN 3760 Adv Spa Oral Com 3
Elective* Check restrictions 3

Spring
SPW 3101* req# 3-Core 3
SPN 4780* req# 4a-ResElec 3
SPN 4100* req# 4b-ResElec 3
Elective* Check restrictions 3

Senior Year
Fall
SPW 3100* req# 3-Core 3
SPN 4520* req# 4c-ResElec 3
SPN 5705* req# 4d-ResElec 3
Elective* Check restrictions 3

Spring
SPW 3131* req# 4b-ResElec 3
SPN 4351* req# 4b-ResElec 3
Elective* Check restrictions 3

SPORTS AND FITNESS (B.S.)
College of Education
Department of Teaching and Learning Principles, ED209
http://pegasus.cc.ucf.edu/~sportfit/
Program Coordinator: Dr. Michael Kehoe
UCF at South Lake, Bldg 2, Room 316, 352-536-2179
E-mail: mkehoe@mail.ucf.edu

(This program is only offered at UCF at South Lake)
Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.0 overall GPA.
- Meet the University CLAST or CLAST alternative criteria.
- Complete prerequisite courses.

Degree Requirements
- Students should consult with an advisor on a regular basis and prior to registration.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least annually thereafter.
- Students must earn at least a "C-" (1.75) in each required course and maintain an overall GPA of at least 2.0.
- Prior to participation in Sports and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.
- Students must meet with their advisor prior to enrollment in Sports and Fitness Practicum I and Practicum II to complete departmental approval process of the organization with which they will be working.

1. UCF General Education Program
A. Communication Foundations
   ENC 1101 Composition I (3 hrs)
   ENC 1102 Composition II (3 hrs)
   Prefer SPC 1600 Fundamentals of Oral Comm (3 hrs)
B. Cultural-Historical Foundations
   Prefer AMH 2010 U.S. History 1492-1877 (3 hrs)
   Prefer AMH 2020 U.S. History 1877-Present (3 hrs)
   Prefer PHI 2010 Introduction to Philosophy (3 hrs)
C. Mathematical Foundations
   Prefer MGF 1106 Finite Mathematics (3 hrs)
   STA 1060C Basic Stat using Microsoft Excel or STA 2014C Principles of Statistics (3 hrs)
D. Social Foundations
   Prefer POS 2041 American National Government (3 hrs)
   Prefer PSY 2012 General Psychology (3 hrs)

2. Sports and Fitness Lower Division
   PET 2622C Human Injuries (3 hrs)
   ZOO 3736C Exercise Physiology Anatomy (4 hrs)

3. Lower Division Electives*
   Selected Electives (Prefixes: PEL, PEM, PEO, PET) (7 hrs)
   EME 2040 Technology for Educators (3 hrs)
   CGS 1060C Introduction to Computer Science (3 hrs)
   MAC 1105 College Algebra (3 hrs)
   Humanities Elective (3 hrs)
   *See advisor for Course Selection

4. Sports & Fitness Core
   PET 3137 Concepts and Practices in Sports and Fitness (3 hrs)
   PET 3508 Public Relations in Sports and Fitness (3 hrs)
   PET 3462 Fiscal and Facilities Issues in Sports and Fitness (3 hrs)
   PET 3493 Sports and Ethics (3 hrs)
   PET 4215 Motivational Aspects of Athletic Performance (3 hrs)
   PET 4312 Biomechanics (3 hrs)
   PET 4401 Administration & Evaluation (3 hrs)
   PET 4491 Legal Issues in Sports and Fitness (3 hrs)
   PET 4550 Fitness Assessment and Exercise (3 hrs)

5. Specialization
   Select One Option:
   Option A: Coaching
   PET 3765 Coaching Theory (3 hrs)
   PET 4763 Coaching Methods and Principles (3 hrs)
   PET 4625 Human Injuries - Mechanisms and Prevention (3 hrs)
   Coaching Specific (choose one) (3 hrs)
   PEO 2624 Coaching Basketball (3 hrs)
   PEO 3324 Coaching Volleyball (3 hrs)
   PEO 3644 Coaching Football (3 hrs)
   Students selecting the Coaching Specialization must register and complete the Florida State Coaching Certification Process or an equivalent professional certifying body.
   Option B: Fitness
   PET 3361 Nutrition for Sports and Fitness (3 hrs)
   PET 3775 Fitness and Conditioning Concepts (3 hrs)
   PET 4083C Practical Fitness Training (3 hrs)
   PET 4625 Human Injuries - Mechanisms and Prevention (3 hrs)
   Students selecting the Fitness Specialization must register for a Professional Fitness Certification through the American College of Sports Medicine (ACSM), the National Strength and Conditioning Association (NSCA), or an equivalent Professional Certifying body.

6. Upper Division Elective
   Approved by advisor (3 hrs)

7. Sports & Fitness Practica
   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 organ-
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.
- Specialization Certification.
- 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)

11. Recommended Four-Year Sequence of Courses

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>(12 hrs)</td>
<td>(16 hrs)</td>
</tr>
<tr>
<td>*CGS 1060C or</td>
<td></td>
</tr>
<tr>
<td>EME 2040</td>
<td>AMH 2010</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>BSC 2010C</td>
</tr>
<tr>
<td>*MGF 1106</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>PSC 1211</td>
<td>MAC 1105</td>
</tr>
<tr>
<td>PET 4925</td>
<td>SPC 1600</td>
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Sophomore Year

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>(14 hrs)</td>
<td>(12 hrs)</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>PET 2622C</td>
</tr>
<tr>
<td>STA 1060C or</td>
<td>POS 2041</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>AMH 2020</td>
</tr>
<tr>
<td>ZOO 3746C</td>
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</tr>
<tr>
<td>Specialization</td>
<td>electives</td>
</tr>
<tr>
<td>(PET/PME/PEO/PET XXX)</td>
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</table>

Summer (6 hrs)

<table>
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<tr>
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<tbody>
<tr>
<td>PHT 2010</td>
</tr>
<tr>
<td>*Humanities electives</td>
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</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>(15 hrs)</td>
<td>(15 hrs)</td>
</tr>
<tr>
<td>PET 3137</td>
<td>PET 3408</td>
</tr>
<tr>
<td>PET 3493</td>
<td>PET 4215</td>
</tr>
<tr>
<td>PET 4401</td>
<td>PET 4312</td>
</tr>
<tr>
<td>PET 4550</td>
<td>PET 4491</td>
</tr>
<tr>
<td>Specialization</td>
<td>Specialization</td>
</tr>
<tr>
<td>Option A (Coaching):</td>
<td>Option A (Coaching):</td>
</tr>
<tr>
<td>Upper division restricted elective (see advisor)</td>
<td>PET 4763</td>
</tr>
<tr>
<td>or Specialization</td>
<td>Specialization</td>
</tr>
<tr>
<td>Option B (Fitness):</td>
<td>PET 3361</td>
</tr>
</tbody>
</table>

Summer (3 hrs)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Specialization</td>
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<tr>
<td>Option A (Coaching):</td>
</tr>
<tr>
<td>or Specialization</td>
</tr>
<tr>
<td>Option B (Fitness):</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Fall (12 or 15 hrs)</th>
<th>Spring (12 or 15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3462</td>
<td>PET 4926</td>
</tr>
<tr>
<td>PET 4635</td>
<td>Specialization Option B (Fitness):</td>
</tr>
<tr>
<td>PET 4925</td>
<td>PET 4085C</td>
</tr>
<tr>
<td>Specialization Option A (Coaching):</td>
<td>PET 3765</td>
</tr>
</tbody>
</table>

*See Transfer Notes for possible substitutes

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

D. Social Foundations
- 6 hrs

E. Science Foundations
- 4 hrs

2. Common Program Prerequisites

<table>
<thead>
<tr>
<th>(7 hrs)</th>
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</thead>
<tbody>
<tr>
<td>COP 3520C*</td>
</tr>
<tr>
<td>MAC 2311</td>
</tr>
<tr>
<td>MAC 2312</td>
</tr>
<tr>
<td>BSC 2010C*</td>
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</table>

*See Transfer Notes for possible substitutes

3. Core requirements

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>STA 2023</td>
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<tr>
<td>STA 4102</td>
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<tr>
<td>STA 4163</td>
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<tr>
<td>STA 4164</td>
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<td>STA 4321</td>
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<tr>
<td>STA 4322</td>
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<td>COT 4500</td>
</tr>
<tr>
<td>MAC 2313</td>
</tr>
<tr>
<td>ENC 3241</td>
</tr>
<tr>
<td>CHM 2045C or</td>
</tr>
<tr>
<td>COP 3223 3223*</td>
</tr>
</tbody>
</table>

*may substitute an approved programming language course

a. Select one course
- 4 hrs

b. Select one course
- 3 hrs

c. Select three from among the following:
- 9 hrs

STATISTICS (B.S.)

College of Sciences

Department of Statistics and Actuarial Science

CC II 212, 407-823-2289

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

E-mail: statistics@ucf.edu

Nizam Uddin, 407-823-2692

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 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.

Freshman Year

<table>
<thead>
<tr>
<th>Fall (12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CGS 1060C or</td>
</tr>
<tr>
<td>EME 2040</td>
</tr>
<tr>
<td>ENC 1101</td>
</tr>
<tr>
<td>*MGF 1106</td>
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<tr>
<td>PSC 1211</td>
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</tbody>
</table>

Sophomore Year

<table>
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<tr>
<th>Fall (14 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
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<tr>
<td>STA 1060C or</td>
</tr>
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<td>STA 2014C</td>
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<tr>
<td>ZOO 3746C</td>
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<tr>
<td>Specialization</td>
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<td>(PET/PME/PEO/PET XXX)</td>
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Summer (6 hrs)

<table>
<thead>
<tr>
<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>PHT 2010</td>
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</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Fall (15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3137</td>
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<tr>
<td>PET 3493</td>
</tr>
<tr>
<td>PET 4401</td>
</tr>
<tr>
<td>PET 4550</td>
</tr>
<tr>
<td>Specialization</td>
</tr>
<tr>
<td>Option A (Coaching):</td>
</tr>
<tr>
<td>Upper division restricted elective (see advisor)</td>
</tr>
<tr>
<td>or Specialization</td>
</tr>
<tr>
<td>Option B (Fitness):</td>
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Summer (3 hrs)

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<tr>
<td>Specialization</td>
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<tr>
<td>Option A (Coaching):</td>
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<tr>
<td>PEO 2624 or PEO 3324</td>
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<tr>
<td>or Specialization</td>
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<td>Upper division restricted elective (see advisor)</td>
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Senior Year

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<th>Spring (12 or 15 hrs)</th>
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<tr>
<td>PET 3462</td>
<td>PET 4926</td>
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<td>PET 4635</td>
<td>Specialization Option B (Fitness):</td>
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<td>PET 4925</td>
<td>PET 4085C</td>
</tr>
<tr>
<td>Specialization Option A (Coaching):</td>
<td>PET 3765</td>
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</table>

*See Transfer Notes for possible substitutes
STA 3096  Statistical Graphics
STA 4173  Biostatistical Methods
STA 4222  Sample Survey Methods
STA 4502  Nonparametric Stat Methods
STA 4504  Categorical Data Analysis
STA 4664  Statistical Quality Control
STA 4852  Applied Time Series
d. Select a third science course and associated lab  4 hrs
BSC 2011C  Biology II (PR: BSC 2010C)
CHM 2045C  Chemistry Fundamentals I (if not taken in GEP)
CHM 2046 & 2046L Chemistry Fundamentals II & Lab (PR: CHM 2045C)
PHY 2053C  College Physics I (if not taken in GEP)
PHY 2054C  College Physics II (PR: PHY 2053C)
e. Select one course  3 hrs
Select any science course from the College of Arts & Humanities or the College of Sciences or any 3000-4000 level science course from either the College of Health & Public Affairs or the Burnett College of Biomedical Sciences

4. Restricted Electives  (6 hrs)
■ Select from upper division or graduate statistics (e.g., STA 5205, STA 5825), mathematics, or computer science courses
■ Selected courses in engineering or business may be used but must first be approved by the Statistics 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)
■ Computer Competency met by STA 4102
6. Foreign Language Requirements  (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation:  none
7. Electives  (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.
8. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed (Note: Statistics majors may count MAC 2313 as upper division credit.)
■ 30 of the last 36 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)
Total Semester Hours Required  120 hrs

Related Programs: Mathematics, Mathematics Education, Actuarial Science Track
Related Minors: Statistics, Mathematics
Transfer Notes:
■ 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.
■ BSC 2010C: any laboratory BSC, CHM, or PHY course.
However this is a prerequisite for BSC 2011C and will need to be taken.

Suggested Plan of Study:
One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same

STATISTICS - ACTUARIAL SCIENCE TRACK (B.S.)
See Actuarial Science (B.S)

TECHNICAL EDUCATION AND INDUSTRY TRAINING (B.S.)
College of Education
Department of Teaching and Learning Principles, ED 209
http://reach.ucf.edu/~technicaled/
Program Coordinator: Jo Ann M. Whiteman
ED 122-T, 407-823-2848
E-mail: jwhiteman@mail.ucf.edu
This program is only available online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAST, Gordon Rule, etc.), some of which are not available through distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements
■ Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
■ Have a minimum 2.5 overall GPA
■ Meet the University CLAST or CLAST alternative criteria
■ Complete prerequisite courses

Degree Requirements
■ Students should consult with an advisor prior to registration.
Select one:
STA 1060C Basic Statistics using MS Excel or
STA 2014C Principles of Statistics
D. Social Foundations (6 hrs)
E. Science Foundations (6 hrs)

2. Common Program Prerequisites (9 hrs)
EDF 2005 Introduction to Education 3 hrs
EDG 2701 Teaching Diverse Populations 3 hrs
EME 2040 Technology for Educators 3 hrs

3. Program Core Requirements (27 hours)
EVT 3356 Gen Method/Test Eval 3 hrs
EVT 3062 Professional Role Voc Ed Teacher 3 hrs
EVT 3312 Course Const Health Occ Ed or 3 hrs
EVT 3371 Course Const Industrial Ed 3 hrs
EVT 3502 Special Needs Voc Ed Students 3 hrs
EVT 4065 Princip/Prac Voc Ed 3 hrs
EVT 4368 Adv Teaching/Techniques in Voc Ed 3 hrs
EVT 3367 Eval Vocation Training 3 hrs
EVT 4169 Curr Dev of Ind Training 3 hrs
AED 4382 Teaching Adult Learners 3 hrs

4. Occupational Specialization Requirements (30 hrs)
Students must complete an area of specialization through one of the following routes:
- Occupation-specific courses
- Recognized occupational license/registration/certification
- Occupational examination
- Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit.

5. Upper Division Electives (with advisor's approval) (6 hrs)

6. Directed Field Experience (12 hrs)
The Occupational Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience.

7. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

6. Departmental Exit Requirements*
- Achieve a minimum 2.5 GPA in all courses within the major.

7. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

8. Total Program Semester Hours Required: 120 hours

9. Recommended Sequence of Program Courses:

<table>
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<tr>
<th>Freshman Year</th>
<th>Fall (15 hrs)</th>
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<tr>
<td>ENC 1101</td>
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<tr>
<td>MGF 1106</td>
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<tr>
<td>SPC 1016</td>
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<tr>
<td>Cultural-Historical Foundations Course</td>
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<tr>
<td>Social Foundations Course</td>
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<td>Spring (15 hrs)</td>
<td>ENC 1102</td>
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<tr>
<td>STA 1060C or STA 2014C</td>
<td>3 hrs</td>
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<tr>
<td>Cultural-Historical Foundations Course</td>
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<tr>
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<td>3 hrs</td>
</tr>
<tr>
<td>Social Foundations Course</td>
<td>3 hrs</td>
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<tr>
<td>Sophomore Year</td>
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<td>EVT 3502</td>
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<tr>
<td>EVT 3312 or EVT 3371</td>
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<tr>
<td>Junior Year</td>
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<td>EVT 3365</td>
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<td>Spring (15 hrs)</td>
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<td>ADE 4382</td>
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<td>EVT 4199</td>
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<td>Senate Year</td>
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<tr>
<td>EVT 4941</td>
<td>12 hrs</td>
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</tbody>
</table>

*It is highly recommended that students seeking State certification pass the GKT. See advisor for further details.

THEATRE (B.F.A.)
College of Arts and Humanities
Department of Theatre, UTC 180; 407-823-2862
http://www.theatre.ucf.edu
Acting: Be Boyd, bbboyd@mail.ucf.edu
407-823-0872
http://theatre.ucf.edu
Design & Technology and Stage Management: Bert Scott, hscott@mail.ucf.edu; 407-823-3636

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design and Technology. This BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication, therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors.
- Exceptions must be approved by the Department.
- The departmental faculty evaluates students desiring to become BFA majors via an interview, audition, or portfolio review. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.
- An Acting candidate must be interviewed and perform two mono-
logues of contrasting styles limited to a combined time of 3 minutes. See 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 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. See www.theatre.ucf.edu for details and to schedule an appointment.

- 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 audition or interview.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.

- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.

- Theatre grades of less than “C” (2.0) will not be counted.

- Continuation in the BFA program requires a positive BFA review.

- Co-op credit cannot be used in this major.

- Students must consult with a departmental advisor before registering each semester.

- Departmental Residency Requirement consists of 60 semester hours of regularly scheduled courses taken from the UCF Theatre Department.

- Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be in a shop or front of house, and the final one 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 (History of Western Art II) as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible.

- Design and Technology Students are required to take at least two design or technical direction elective courses following the completion of Scenography.

- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

- Courses designated 1 (General Education Program) are taken throughout all four years.

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 |

2. Common Program Prerequisites (9 hrs)

| THE 2002* | Survey of Theatre for majors |
| THE 2304 | Script Analysis |
| THE 2900L* | Theatre Participation – Management I 1 hr |
| TPP 2905L | Theatre Participation – Production I 1 hr |
| TPP 2910* | Theatre Participation – Performance I 1 hr |
| TPP 2920 | Stagecraft I 3 hrs |
| Or | |
| TPP 2201 | Technical Theatre Production 2 hrs |
| And | |
| TPP 2201 | Technical Theatre Production LAB 1 hr |

*See Transfer Notes for possible substitutes

3. Core Requirements (18 hrs)

| TPP 2110C | Acting I - Introduction 3 hrs |
| THE 3XXX | Theatre History and Dramatic Literature I 3 hrs |
| THE 3XXX | Theatre History and Dramatic Literature II 3 hrs |
| THE 4XXX | Theatre History and Dramatic Literature III 3 hrs |
| THE 2304 | Script Analysis |
| THE 2309L | Theatre Participation – Management I |
| CPP | |
| TPP 2190 | Theatre Participation – Production I |
| TPP 2190 | Theatre Participation – Performance I |
| TPP 4XXX | Theatre Capstone 3 hrs |
| TPP 3310C | Directing I 3 hrs |

4A. Specialization: select one area (66 hrs)

Acting Specialization

| TPA 2291 | Technical Theatre Production |
| TPA 2210 | Technical Theatre Production LAB |
| TPA 2170C | Acting II – The Actor Prepares 3 hrs |
| TPA 2190 | Theatre Participation - Performance I 1 hr |
| DAA 2200C | Ballet I 2 hrs |
| TTP 2710C | Voice Production I 2 hrs |
| TTP 3172C | Acting II – Building the Character 3 hrs |
| TTP 3510C | Movement for Actors I 2 hrs |
| TTP 3XXX | Movement for Actors II 2 hrs |
| TTP 3512C | Stage Combat 2 hrs |
| TTP 3257 | Musical Theatre Voice I 2 hrs |
| TTP 3258 | Musical Theatre Voice II 2 hrs |
| TTP 3711C | Voice Production II 2 hrs |
| TTP 3712C | Voice Production III 2 hrs |
| TTP 3730C | Voice Production IV 2 hrs |
| TTP 3410C | Acting I - Creating the Role 3 hrs |
| TTP 4142C | Acting V - Verse 3 hrs |
| TTP 4265C | Acting VI - TV/Film 3 hrs |
| TTP 4531C | Period Movement 2 hrs |
| TTP 3404C | Theatre Techniques 3 hrs |
| TTP 2248C | Makeup Techniques 2 hrs |
| TTP 3223 | Theatre Careers for Performance 3 hrs |
| DAA 2570C | Jazz Dance I 2 hrs |

Restricted electives (see list of courses) 15 hrs

Stage Management Specialization

| TPA 2210 | Stagecraft I |
| TPA 2210L | Stagecraft II |
| TPA 2211 | Stagecraft II LAB 1 hr |
| TPA 4393 | Theatre Participation – Production I 1 hr |
| THE 4693L | Theatre Participation – Management I 1 hr |
| TTA 4400 | Theatre Management 3 hrs |
| TTP 2170C | Acting II – The Actor Prepares 3 hrs |
| TTA 2000C | Theatre Design Basics 3 hrs |
| TTA 20XX | Scenography 3 hrs |
| TPA 20XX | Stage Electronics 3 hrs |
| TPA 2XX | Stage Management Basics 3 hrs |
| TPA 3601 | Stage Management 3 hrs |
| TPA 4002 | Advanced Stage Management 3 hrs |
| TPA 3221 | Lighting Design for Theatre I or |
| TPA 3260 | Sound Design for Theatre I 3 hrs |
| TPA 3197 | Summer Theatre Tech 3 hrs |
| TPA 3195 | Theatre Studio Tech 3 hrs |
| TPA 3043C | Costumes, Architecture and Décor History I 3 hrs |
| TPA 3044C | Costumes, Architecture and Décor History II 3 hrs |
5. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a 'B' Theatre GPA (3.0) or better
- Take a Departmental Exit Examination and write a critique of a UCF affiliated theatre production
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards your total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF
- Computer Competency met by STA 1060C or computer science course

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. Electives (variable)

8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 129 hrs

Related Programs: Art, Film, Music, Theatre Studies BA
Related Minors: Art, Music, Film, Theatre, Dance

Transfer Notes:
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and must be taken.
- THE 2304: may use THE 2300
- THE 2090L: may use THE 2925
- TPA 2290L: may use TPA 1290
- TPP 2190: may use TPP 1190 or TPP 2110
- TPP 2210: may use TPA 2200 or TPP 2201
- TPP 2201: may use TPA 2200 or TPP 2210

THEATRE STUDIES (B.A.)
College of Arts and Humanities
Department of Theatre, UTC 180; 407-823-2862
http://www.theatre.ucf.edu
E-mail: jwshafer@mail.ucf.edu tollefs@mail.ucf.edu
John Shafer/Kristina Tollefson, 407-823-0871
The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing greater flexibility and opportunity for interdisciplinary study. The BA course of study emphasizes a broad-based theatre education and provides freedom to pursue a complementary minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information, contact the Department of Theatre or visit the audition site online at www.theatre.ucf.edu.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
UCF Degree Programs

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to matriculate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum “C” (2.0) overall Theatre GPA to continue in the major.
- Co-op credit cannot be used in this major.
- Students must consult with a department advisor each semester before registering.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled courses taken from the UCF Theatre Department.
- All BA Theatre Studies students must participate, in some capacity, in one of the main-stage productions during a minimum of four three semesters in addition to the Technical Theatre Production Lab. One of the Participation credits must be as part of a run crew. The other two participation credits can be a combination of performance, shop assignments, run crews or front of house. Students failing to successfully participate will be placed on probation for one semester. Continued failure may result in being dropped from the major.
- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program  
   (36 hrs)
   A. Communication Foundations  
      9 hrs
   B. Cultural and Historical Foundations  
      9 hrs
   Select one course from 1.B.1 list  
      3 hrs
   Select THE 2020 Survey of Theatre for Majors  
      3 hrs
   Select one course from 1.B.1 or 1.B.2 list  
      3 hrs

2. Common Program Prerequisites  
   (9 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 2120* Theatre Participation – Performance I  
      1 hr
   TPP 2201* Technical Theatre Production Lab  
      1 hr
   "See Transfer Notes for possible substitutes"

3. Core requirements  
   (21 hrs)
   TPP 2101 Fundamentals of Acting I  
      3 hrs
   THE 2304 Script Analysis  
      CPP
   THE 3XXX Theatre History/ & Dram. Lit. I  
      3 hrs
   THE 3XXX Theatre History/ & Dram. Lit. II  
      3 hrs
   THE 3XXX Theatre History/ & Dram. Lit. III  
      3 hrs
   TPP 2XXX Stage Voice/Speech  
      3 hrs
   TPP 3310C Directing I  
      3 hrs
   THE 4XXX Capstone  
      3 hrs

4. Restricted Electives  
   (16 hrs)
   Select 16 hours from the following
   THE 3230 Commonly within Cultural Diversity  
      3 hrs
   THE 3082 Theatre Careers  
      3 hrs
   TPP 4143 Acting Styles  
      3 hrs
   TPP 3XXX Acting on Camera  
      3 hrs
   TPA 3XXX Intro to Theatrical Design  
      3 hrs
   TPP 4221* Auditioning  
      3 hrs
   THE 3240 Musical Theatre Survey  
      3 hrs
   THE 4093L* Theatre Participation-Management II  
      1 hr
   TPP 4203L* Theatre Participation-Production II  
      1 hr
   TPP 4193* Theatre Participation-Performance II  
      1 hr
   THE 5307 Contemporary Theatre  
      3 hrs
   TPP 2240C* Makeup/ Technique  
      3 hrs
   TPA 3043C Costumes, Architecture, and Décor, History I  
      3 hrs
   TPA 3043C Costumes, Architecture, and Décor History II  
      3 hrs
   TPA 3195 Theatre Studio/ Tech/Design  
      3 hrs
   TPA 3197 Summer Theatre Studio/ Tech/Design  
      3 hrs
   TPA 2XXX Stage Management Basics  
      3 hrs
   TPA 4400 Theatre Management  
      3 hrs

TPP 3103 Intermediate Acting  
   TPP 3107 Summer Theatre/ Performance  
   TPP 3952 Studio Performance  
   TPP 4311* Advanced Directing  
   "Any DAA or DAN courses with instructor and departmental approval": 2-8 hrs
   THE 3930* Independent Study  
      1-12 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 instructor and departmental approval in advance

5. Departmental Exit Requirements
   - Earn a grade of “C” (2.0) or better in each Theatre course.
   - Take a Departmental Exit Examination and write a critique of a UCF affiliated theatre production.
   - Computer Competency met by STA 1060C or Computer Science Course.
   - Minimum of 30 theatre credits must be completed in residency at UCF.

6. Foreign Language Requirements  
   (0-8 hrs)
   Admission: Met by graduation requirement.
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

7. Required Minor  
   (18 hours minimum)
   Theatre Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor.
   Students are free to pursue any minor open to them, but are encouraged to participate in the department’s Associated Minor program which provides additional career/advising support targeted at specific career paths.
   Please see the departmental handbook for a 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  
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA.
   - 60 semester hours earned after CLEP awarded.
   - 48 semester hours of upper division credit completed.
   - 30 of the last 36 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required  
120 hours

Related Programs: Art, Film, Music, Theatre BFA
Related Minors: Art, Music, Film, Theatre, Dance

Transfer Notes:
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes
- for common program prerequisites if taken prior to transferring to UCF:
  - THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and may still need to be taken.
  - THE 2304XX (Script Analysis): may use THE 2300 or THE 3305
  - THE 2090L: may use THE 2925
  - TPP 2290L: may use TPA 1290
  - TPA 2190: may use TTP 1110 or THE 4093L or TPA 4293
TQA 2201: may use TQA 2200 or TQA 2210

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.

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
E-mail: eweaver@mail.ucf.edu
Earl Weaver, 407-823-3638

The Bachelor of Fine Arts Track in Musical Theatre has been developed to serve those students interested in a career in the entertainment industry and 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. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements

- Entrance into most theatre classes is restricted to majors.
- Exceptions must be approved by the Department.

- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at www.theatre.ucf.edu.

- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition. Visit www.theatre.ucf.edu for details.

- All students must submit a resume, black and white head shot, three letters of recommendation, and transcripts of previous college work at the time of interview

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.

- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.

- Theatre grades of less than "C" (2.0) will not be counted

- Continuation in the BFA program requires a positive annual BFA Review.

- Co-op cannot be used in this major

- Students must consult with a departmental advisor every semester before registration

- Departmental Residency Requirement consists of 60 semester hours of regularly scheduled courses taken from the UCF Theatre Department

- Prior to graduation, all BFA Musical Theatre majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be in a shop or front of house position.

- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned

- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to determine the length of their program of study.

We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

- 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
      THE 2020* Survey of Theatre for majors
      THE 2304* Script Analysis
      THE 2090L Theatre Participation – Management I
      TPA 2250L Theatre Participation – Production I
      TPP 2190* Theatre Participation – Performance I
      TPP 2201* Technical Theatre Production
      TPA 2201 Theatre Production Lab
      *See Transfer Notes for possible substitutes

2. Common Program Prerequisites (9 hrs)

   TPA 2201* Technical Theatre Production 2 hrs
   TPA 2203D Technical Theatre Production 2 hrs
   TPA 2201 Technical Theatre Production Lab 1 hr
   MUT 1004 Fundamentals of Music I 3 hrs
   MUT 1111 Music Theory 1A 3 hrs
   THE 2110C Acting I - Introduction 3 hrs
   THE 2170C Acting II - The Actor Prepares 3 hrs
   DAA 2100C Ballet I 2 hrs
   DAA 2201C Ballet II 2 hrs
   DAA 2570C Jazz Dance I 2 hrs
   DAA 2571C Jazz Dance II 2 hrs
   DAA 2520C Tap Dance I 2 hrs
   TPP 2248C Make-up Techniques 2 hrs

3. Specialization: Lower Division (22 hrs)

   THE 2304* Script Analysis 3 hrs
   THE 4004* Fundamentals of Music I 3 hrs
   MUT 1111 Music Theory 1A 3 hrs
   TPA 2110C Acting I - Introduction 3 hrs
   TPA 2170C Acting II - The Actor Prepares 3 hrs
   DAA 2200C Ballet I 2 hrs
   DAA 2250C Dance II 2 hrs
   DAA 2570C Jazz Dance I 2 hrs
   DAA 2571C Jazz Dance II 2 hrs
   DAA 2520C Tap Dance I 2 hrs
   TPA 2248C Make-up Techniques 2 hrs

4. Specialization: Upper Division (56 hrs)

   TPA 3172C Acting III - Building the Character 3 hrs
   TPA 4104C Acting IV - Creating the Role 3 hrs
   TPA 3250C Musical Theatre Acting Perf I 3 hrs
   TPA 3252C Musical Theatre Acting Perf II 3 hrs
   THE 4244 Musical Theatre History I 3 hrs
   THE 4245 Musical Theatre History II 3 hrs
   TPA 3223C Theatre Careers for Performance 3 hrs
   THE 3XXX Theatre History and Dram. Lit I 3 hrs
   THE 3XXX Theatre History and Dram. Lit II 3 hrs
   THE 3XXX Theatre History and Dram. Lit III 3 hrs
   TPA 3310C Directing I 3 hrs
   TPA 4193 Theatre Participation – Performance II 1 hr
   TPA 3257 Musical Theatre Voice I 2 hrs
   TPA 3258 Musical Theatre Voice II 2 hrs
   TPA 4259 Musical Theatre Voice III 2 hrs
   TPA 4923 Musical Theatre Voice IV 2 hrs
   TPP 4xxx Musical Theatre Voice V 2 hrs
   TPP 4xxx Musical Theatre Voice VI 2 hrs
   TPA 4xxx Musical Theatre Voice VII 2 hrs
   TPA 4xxx Theatre Capstone 3 hrs
   TPP 4940L Theatre Internship 6 hrs

4A. Movement Electives (2 hrs)

   TPP 4530C Movement 2 hrs
   TPP 3512C Stage Combat 2 hrs
   Any DAA or DAN courses not already required and with departmental approval

4B. Restricted Electives (4 hrs)

   Chosen from the following
   TPA 3730C Voice Production IV – Study of Stage Dialects 2 hrs
   TPA 4122C Acting V - Verse 3 hrs
   TPA 4265C Acting VI - Acting for TV/Film 3 hrs
   THE 3320 Commonality within Cultural Diversity 3 hrs
   THE 5307* Experienced through Theatre 3 hrs
   THE 5307* Contemporary Theatre 3 hrs
5. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a 'B' Theatre GPA (3.0) or better
- Take a Departmental Exit Examination and write a critique of a UCF affiliated theatre production
- Minimum of 60 theatre credits must be completed in residency at UCF
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards your total theatre credits.
- Computer Competency met by STA 1060C or computer science course

6. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. Electives (variable)

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A 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 hours

Related Programs: Film, Music, Theatre Studies BA
Related Minors: Music, Film, Theatre, Dance

Transfer Notes:
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- THE 2020: may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
- THE 2304: may use THE 2300
- TPP 2190: may use TPP 1190
- TPA 2201: may use TPA 2200 or TPA 2210
MINORS AND CERTIFICATES

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

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

Minors
Accounting
Aerospace Studies
African - American Studies
Aging Studies
American Humanics
American Sign Language
American Studies
Anthropology
Anthropology in Multicultural Studies
Art History
Art - Studio
Asian Studies
Astronomy
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences & Disorders
Community Arts - PAVE
Computer Science
Criminal Justice
Dance
Deaf Studies
Digital Media
Early Childhood Education
e-Business
Economics
Emergency Management & Homeland Security
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Writing and Editing
English - Writing
Environmental Studies
European Studies
Exceptional Education
Film - Cinema Studies
Fitness Training
Finance
French
German
Health Information Management
Health Sciences
Health Services Administration
History
Hospitality Management
Humanities
Information Technology
International and Global Studies
International Business
Interpersonal Communication
Intelligent Robot Systems - Interdisciplinary
Italian
Judaic Studies
Latin American Area Studies
Legal Studies
Magazine Journalism
Management Information Systems
Mathematics
Middle Eastern Studies
Military Science
Molecular Biology and Microbiology
Music
North American Indian Studies
Organizational Communication
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Religious Studies
Secure Computing and Networks
Social Sciences - Interdisciplinary
Sociology
Space Studies
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technology and Society
Theatre - General
Urban and Regional Planning
Women's Studies
World Comparative Studies
Certificates
Addictions Certificate
Aging Studies Certificate
American Sign Language Certificate
Behavioral Forensics Certificate
Children's Services Certificate
Crime Analysis and Crime Mapping Certificate
Crime Scene Investigation Certificate
Criminal Profiling Certificate
Cultural Tourism Certificate
Digital Media Certificate
Entertainment Marketing Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Jazz Studies Certificate
Judaic Studies Certificate
Language Development and Disorders Certificate
Marketing: Selling and Sales Management Certificate
Marketing: Retailing Management Certificate
Marketing: e-Marketing Certificate
Marketing: Sport Marketing Management Certificate
Marketing: Healthcare Marketing Certificate
Marketing: Services Marketing Certificate
Marketing: Entertainment Marketing Certificate
Nonprofit Management Certificate
Real Estate: Real Estate Brokerage Certificate
Real Estate: Real Estate Appraisal Certificate
Real Estate: Mortgage Brokerage Certificate
Security Management Certificate
Service-Learning Certificate
Translation and Interpretation Certificate
Women's Studies Certificate
Additional UCF Programs
Foreign Study Abroad Program:
Dominica
France
Germany
Italy
Japan
South Africa
Spain
English Study Abroad Program:
Mexico
Scotland
ACCOUNTING:
Minor for Business and Non-Business Majors
College of Business Administration
School of Accounting, BA 437
(407) 823-2871

Credit Hour Requirements 21 hours
Required Courses (9 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- Select one of the following (may not be counted as an elective if selected as a required course):
  - ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
  - ACG 3361 Intermediate Managerial Accounting 3 hrs

Restricted Electives (12 hrs)
Select four from the following (at least two courses must have either an ACG or TAX prefix)
- ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
- ACG 3361 Intermediate Managerial Accounting 3 hrs
- ACG 3141 Intermediate Financial Accounting 3 hrs
- ACG 3501 Accounting and Auditing in the Public Sector 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4671 Internal Auditing 3 hrs
- ACG 4932 Approved Special Topics Courses in Accounting 3 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.

AEROSPACE STUDIES: Minor
College of Engineering and Computer Science
Air Force ROTC, TR 501 103
Col. William G. Palmbry, 407-823-1247

Credit Hour Requirements 16 hrs
Required Courses (16 hr)
- AFR 1101 The Air Force Today I 1 hr
- AFR 1111 The Air Force Today II 1 hr
- AFR 2130C The Development of Air Power I 1 hr
- AFR 2131C The Development of Air Power II 1 hr
- AFR 3220C Air Force Leadership and Management I 3 hrs
- AFR 3230C Air Force Leadership and Management II 3 hrs
- AFR 4201C Nat Scrtty Affairs & Prep for Active Duty I 3 hrs
- AFR 4210C Nat Scrtty Affairs & Prep for Active Duty II 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (1.75) 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 toward the minor.
- No credit by exam (TSD, Military credit) may be used.

AFRICAN-AMERICAN STUDIES: Minor
College of Arts and Humanities
African American Studies Program, CNH 201G
http://www.cas.ucf.edu/africanamericanstudies
J. Stephenson, 407-823-0026

The African American Studies minor is designed to complement a student's major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

Credit hour Requirements 18 hours
Required Courses (6 hrs)
- APA 3104 The African American Experience 3 hrs
- AMH 2671 Black American History I 3 hrs

Restricted Electives (12 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 with-in the program.
- No credit by exam (TSD, Military credit) may be used.

AGING STUDIES: Minor
College of Health and Public Affairs
School of Social Work, HPA1 204
BSW Coordinator, HPA1 204, 407-823-2114

In recognition of the special needs of the elderly citizens of Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The Minor is open to all students in any major. The program may be a particular interest to students who are majoring in health sciences, psychology, social work, nursing, sociology, business, exercise science, physical education, or art education. Also all students must contact the coordinator for planning their internship.

Credit Hour Requirements 18 hours
Required Courses (3 hrs)
- GY 3001 Gerontology: Interdisciplinary Overview 3 hrs
- Required Internship: 120 hours
- Select one:
  - SOW 4510 Field Education 9 hrs
  - HSA 4951 Internship 3 hrs
  - PSY 3951 Internship 3 hrs
  - SYP 4941 Internship 3 hrs

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
- 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
- PL 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs

College of Arts and Sciences
- DEP 3465 Psychology of Aging 3 hrs
- SYP 4730 Sociology of Aging 3 hrs
- GEY 3930 Women and Aging 3 hrs
- SYP 3930 Literature of Aging 3 hrs
- SYP 4734 Minority Aging 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

Minors
Minors

- Independent Study credit may not be used toward the minor

**AMERICAN HUMANICS: Minor**

**American Humanities Minor with National Certificate**

**College of Health and Public Affairs**

Joan Nelson, MBA, MSW - Campus Director  
Phone 497-823-0713; e-mail ahminor@mail.ucf.edu

The American Humanities Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students and community residents planning a career as a nonprofit professional working with America’s youth and families. This minor will result in a National Certification in American Humanities Academic Program. Requirements for the minor are the same as for national certification.

**Credit Hour Requirements**  
**(18 hours)**

**Required Courses**  
(6 hrs)

- **PAD 3930** American Humanities Human Service Workshop  
- **PAD 4144** Nonprofit Organizations  
- **PAD 4148** Volunteer Management

**Internships** within other programs may be accepted with prior approval of American Humanities advisor.

Students can earn the remaining 12 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

**Generalist Emphasis**

**Restricted Electives**  
(12 hours)

Choose at least one course from each of the following four groups.

**Group I: General Nonprofit Management, Volunteerism and Human Development**  
3 hrs

- **EDS 4941** Directed Field Experience  
- **PAD 4144** Nonprofit Organizations  
- **PAD 4148** Volunteer Management

**Group II: Planning & Evaluation and Human Resource Development**  
3 hrs

- **PAD 4144** Nonprofit Organizations  
- **PAD 4153** Strategic Planning & Implementation  
- **PAD 4325** Program Evaluation for the Public and Nonprofit Organizations

**Group III: Communication & Marketing**  
3 hrs

- **PAD 4144** Nonprofit Organizations  
- **SOW 3352** Practice II: Interpersonal Skills  
- **COM 3110** Business & Professional Communications

**Group IV: Nonprofit Accounting & Financial Management and Fund Raising Principles & Practices.**  
3 hrs

- **ACG 2021** Financial Accounting  
- **ACG 2071** Managerial Accounting  
- **PAD 5850** Grant and Contract Management

- **PAD 4204** Fiscal Management  
- **PAD 4131** Public Sector Project Management  
- **PAD 4147** Resource Development in the Nonprofit Sector

**Or Public Affairs Emphasis**

**Restricted Electives** Choose at least two from the following  
(6 credit hours)

- **PAD 4131** Public Sector Project Management  
- **PAD 4144** Non-Profit Organizations  
- **PAD 4147** Resource Development in the Nonprofit Sector  
- **PAD 4204** Fiscal Management  
- **PAD 4325** Program Evaluation for the Public and Non-Profit Organizations

**Restricted Electives** Choose at least two from the following  
(6 credit hours)

- **PAD 4148** Volunteer Management  
- **PAD 4153** Planning and Improvement for Public Organizations  
- **PAD 4223** Public Budgeting  
- **PAD 4253** Community and Economic Development  
* open only to SOW majors

**Other Requirements**

- Enrollment in American Humanities Certificate Program through AH program office.
- Attendance at one national American Humanities Management Institute (additional fees)
- Membership in UCF American Humanities Student Association

**AMERICAN SIGN LANGUAGE: Minor**

**College of Health and Public Affairs**

**Department of Communication Sciences and Disorders**  
[http://www.cohpa.ucf.edu/comdis](http://www.cohpa.ucf.edu/comdis)

HPA II, Room 101

The American Sign Language Minor addresses a growing interest in American Sign Language (ASL) as a minority and indigenous language in the United States. Through the minor students not only acquire a second language that they may use to communicate with the deaf community, but they also learn a non-Indo-European linguistic structure. The minor is available to students in all disciplines who would find it a useful addition to their major, in particular those majoring in interpersonal and organizational communication, general and special education, communicative disorders, criminal justice, the health professions, and social work. Additionally, a minor in American Sign Language will serve as a valuable confirmation for employers and graduate schools of a student’s specialized knowledge of this language.

**Credit Hour Requirements**  
**22 hours**

**Required Courses**

- **SPA 4612** Introduction to American Sign Language  
- **SPA 4613** Intermediate American Sign Language  
- **SPA 4614C** American Sign Language III  
- **SPA 4615** American Sign Language IV  
- **SPA 4617** Signed Language Linguistics  

**Choose One of the Following:**

- **SPA 2631** Issues in Deafness  
- **SPA 3632** Communication Disorders in the Deaf*  
- **SPA*** Educational Implications of Deafness

**Other Requirements**

- A minimum of “C-” (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the minor.
- At least 12 hours used in the minor must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) Internship or Independent Study credit may be used toward the minor.

**AMERICAN STUDIES: Minor**

**College of Arts and Humanities**  
[http://www.cas.ucf.edu/liberal_studies](http://www.cas.ucf.edu/liberal_studies)

E-mail: stebbins@mail.ucf.edu  
407-823-3253

**Credit Hour Requirements**  
**21 hours**

**Required Courses**

Select one course in each of the three categories below.

**Literature and Humanities**

- **AML 3031** American Literature I  
- **AML 4101** American Novel  
- **AML 4261** Literature of the South  
- **AML 3682** Ethnic Literature in America

**Social Sciences**

- **POS 3413** The American Presidency  
- **POT 3204** American Political Thought  
- **SYD 3700** Race and Ethnic Minorities in the U.S.  
- **SYP 3630** Sociology of Popular Culture

**History**

- **AMH 3423** Florida History 1845-present  
- **AMH 3561** Women in American History I  
- **AMH 4110** Colonial America, 1607-1763  
- **AMH 4130** The Age of the American Revolution  
- **AMH 4311** American Culture I
ANTHROPOLOGY: Minor

College of Sciences

Department of Sociology & Anthropology, PH 403
http://cas.ucf.edu/soc_anthro
anthropology@ucf.edu

Contact: A. Chase, 407-823-2227

The Anthropology minor develops a holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Credit Hour Requirements 18 hours

A. Concentration in General Anthropology

The following 2000 level courses must be taken:

ANT 2000 General Anthropology (3 hrs)
ANT 2100 Archaeology & Rise of Human Culture (3 hrs)
ANT 2410 Cultural Anthropology (3 hrs)
ANT 2511 The Human Species (3 hrs)

Select two upper level (3000-5000) courses in Anthropology (6 hrs)

B. Concentration in Archaeology

The following 2000 level courses must be taken:

ANT 2000 General Anthropology (3 hrs)
ANT 2100 Archaeology & Rise of Human Culture (3 hrs)

Select from the following:

ANT 4101 Archaeological Sciences (3 hrs)
ANT 3159 Florida Archaeology (3 hrs)
ANT 3115 Archaeological Method and Theory (3 hrs)
ANT 3142 Old World Prehistory (3 hrs)
ANT 3145 Archaeology of Complex Societies (3 hrs)
ANT 3163 Mesoamerican Archaeology (3 hrs)
ANT 3164 Ancient Incas (3 hrs)
ANT 3168 Maya Archaeology (3 hrs)
ANT 4184 Mortuary Archaeology (3 hrs)
ANT 3398 Life and Death in Ancient Egypt (3 hrs)
ANT 4144 Prehistory of North America (3 hrs)
ANT 4153 North American Archaeology (3 hrs)
ANT 4180C Seminar in Laboratory Analysis (3 hrs)

Other Requirements

- Earn a grade of “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credit hours must be earned in 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.

ANTHROPOLOGY IN MULTICULTURAL STUDIES: Minor

College of Sciences

Department of Sociology & Anthropology, PH 403
http://www.cas.ucf.edu/soc_anthro
anthropology@ucf.edu

Contact: A. Chase 407-823-2227

This minor develops a more sophisticated understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in America and other 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 hours

Required Course (3 hrs)

Select one of the following:

ANT 2000 General Anthropology (3 hrs)
ANT 2410 Cultural Anthropology (3 hrs)

Restricted Electives (15 hrs)

Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.

ANT 3164 The Incas (3 hrs)
ANT 3212 Peoples of the World (3 hrs)
ANT 3241 Magic, Ritual, and Belief (3 hrs)
ANT 3245 Native American Religions (3 hrs)
ANT 3392 Sex, Gender and Culture (3 hrs)
ANT 3312 Ethnology of North Amer Indians (3 hrs)
ANT 3332 People of the World (3 hrs)
ANT 3340 Language and Culture (3 hrs)
ANT 3344 Caribbean Cultures (3 hrs)
ANT 3361 Black/Semino Indian Relations (3 hrs)
ANT 3319 The Anthropology of Diaspora (3 hrs)
ANT 4438 Anthropology of Tourism (3 hrs)
ANT 4467 Nutritional Anthropology (3 hrs)
ANT 3701 Applied Anthropology (3 hrs)
ANT 4702 Culture, Power, and Development (3 hrs)
ANT 4466 Economic Anthropology (3 hrs)
ANT 4398 Gender Issues in Latin America (3 hrs)
ANT 4516 Human Biological Diversity (3 hrs)
SYD 3700 Race and Ethnic Minorities in the US (3 hrs)
Minors

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/
art@ucf.edu
J. Chavda, 407-823-2676

Credit Hour Requirements 27 hours

- 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)
Restricted Upper Division Courses (6 hrs)

Select from the following:
- ARH 4545 Art of India
- ARH 3520 African Art
- ARH 4865 Meso American Art

Required Courses (18 hrs)

- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2203C Design Fundamentals 3-D 3 hrs
- ART 2201C Design Fundamentals 2-D 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- ARH 4350 African Art 3 hrs
- ARH 4545 Art of India 3 hrs
- ARH 4800 Theory and Criticism of the Visual Arts 3 hrs

6 hours of electives (6 hrs)
Two additional ARH 3XXX-4XXX courses

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000-4000 level courses in a single area of specialization in the Art Department.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ART - STUDIO: Minor
College of Arts and Humanities
Art Department, VAB 117
http://www.art.ucf.edu/
art@ucf.edu
J. Chavda, 407-823-2676

Credit Hour Requirements 24 hours

- ARH 2050 History of Western Art I (3 hrs)
- ART 2201C Design Fundamentals 2-D (3 hrs)
- ART 2203C Design Fundamentals 3-D (3 hrs)
- ART 2300C Drawing Fundamentals I (3 hrs)
- ART 2301C Drawing Fundamentals II (3 hrs)

Restricted Upper Division Courses (6 hrs)

Six semester hours of studio art in one area of specialization at the 3000-4000 level

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ASIAN STUDIES: Minor
College of Arts and Humanities
http://www.cas.ucf.edu/
E-mail: stebbins@mail.ucf.edu

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Credit Hour Requirements 21 hours

- HUM 3401 Asian Humanities (3 hrs)

Restricted Electives (18 hrs)

Approved courses (see department for listing)

Foreign Language Requirement (0-8 hrs)
One year or the equivalent proficiency examination. Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g., Chinese, Japanese).

Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

ASTRONOMY: Minor
College of Sciences
Department of Physics, MAP 310
E-mail: physics@ucf.edu
Contact: A Physics Advisor, 407-823-2325

Credit Hour Requirements 20 hrs

- PHY 2048 Physics for Engineers & Scientists I (3 hrs)
- AST 2002 Introductory Astronomy (3 hrs)
- AST 3722C Observational Astronomy (3 hrs)
- AST 3110 Solar System Astronomy (3 hrs)
- AST 3211 Stellar Astrophysics (3 hrs)
- AST 3402 Galaxies and Cosmology (3 hrs)

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 Introductory Astronomy Lab (1 hr)

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

BIOLOGY: Minor
College of Sciences
Biology Department, BL 301
http://www.cas.ucf.edu/biology
E-mail: biology@ucf.edu
Contact: F. Logiudice, 407-823-2141

Credit Hour Requirements 31 hrs

- BSC 2010C Biology I (4 hrs)
- BSC 2011C Biology II (4 hrs)
- CHM 2045C Chemistry Fundamentals I (4 hrs)
- CHM 2046 Chemistry Fundamentals II (3 hrs)
- CHM 2210 Organic Chemistry (3 hrs)
### Minors

**BUSINESS: Minor for Non-Business Majors**
College of Business Administration, BA2-101
B. Moore, 407-823-5256, bmoore@bus.ucf.edu

**Credit Hour Requirements** 24 hrs

<table>
<thead>
<tr>
<th>Required Accounting Course(s)</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021 Principles of Financial Accounting</td>
<td></td>
</tr>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td></td>
</tr>
</tbody>
</table>

**Required Courses** (15 hrs)

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor and an overall GPA in the minor of 2.0 is required.
- Grades below "C" (2.0) are not accepted.
- At least 12 hours of upper division credit used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

**Other Requirements**

- At least 12 hours used in the minor must be earned at UCF within the department.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**CHEMISTRY: Minor**
College of Sciences
Department of Chemistry, CH 117
http://www.cas.ucf.edu/chemistry
E-mail: chemistry@ucf.edu

**Credit Hour Requirements** 28 hrs

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(21 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210 Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211 Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 31020 Analytical Chemistry</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

**Restricted Upper Division Electives** (7 hrs)

At least one course must be selected from group I and the remaining from group II and/or III.

**Group I: Select at least one course**

- CHM 3212L Organic Laboratory Techniques II
- CHM 4130C 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

**CHM 4200 Concepts in Industrial Chemistry
CHM 5235 Applied Molecular Spectroscopy
CHM 5450 Polymer Chemistry
CHS 4200 Concepts in Industrial Chemistry**

**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.

**COACHING: Minor**
College of Education
Department of Teaching and Learning Principles, ED 209
http://pegasus.cc.ucf.edu/~ucfphyed/minors.htm
Program Coordinator: Dr. Patricia Higginbotham
ED 320-H, 407-823-2050
E-mail: higginbp@mail.ucf.edu

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

**Credit Hour Requirements** 18 hours

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(18 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 2622C Human Injuries</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET3765 Coaching Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET3493 Sports Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET4215 Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4763 Coaching Methods and Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td></td>
</tr>
<tr>
<td>PEO2624 Coaching Football or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO3644 Coaching Basketball or</td>
<td></td>
</tr>
<tr>
<td>PEO3324 Coaching Volleyball</td>
<td></td>
</tr>
</tbody>
</table>

*If the student has completed this course at a community college it can be transferred into the program.

**Other Requirements**

- At 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, CHN 411
http://www.cas.ucf.edu/philosophy/
E-mail: philosophy@ucf.edu
Jennifer Mundale, 407-823-2273; Fax: 407-823-6658

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

**Foundation Courses** (15 hrs)

Select from at least 4 subject areas
Minors

Neuroscience
PSB 3002 Physiological Psychology (PR: PSY 2012)
PSB 4240C Neuropsychology (PR: PSB 3002)
ZOO 744 Neurobiology (PR: BSC 2010C)
PSB 4422 Brainwaves and Behavior (PR: PSB 3002)

Philosophy
PHI 3320 Philosophy of Mind (PR: PHI 2010 or C.I.)
PHI 3323 Minds and Machines (PR: PHI 2010 or C.I.)
PHI 4341 Ways of Knowing (PR: PHI 2010)
PHI 3451 Philosophy of Psychology (PR: Junior or C.I.)
PHI 4400 Philosophy of Science

Psychology
EXP 3804C Cognitive Psychology (PR: PSY 2012)
EXP 4507C Advanced Human Memory and Cognition
(PR: PSY 3213C and EXP 3604C)
EXP 3204C Perception (PR: PSY 2012, PSY 3213C)

Computer Science and Information Technology
CAP 4453 Robot Vision (PR: COP 3530C and MAC 2312, or C.I.)
CAP 4630 Artificial Intelligence (PR: COP 3530C)
EEL 3520 Information Theory (PR: MAC 2147 or any calculus course; not open to EE or Cpe 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)
LIN 3640 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)
COP 4520 Concepts of Parallel Distributed Processing (PR: COP 3530C and COP 3402C)
CAP 5015 Multimedia Compression on the Internet (PR: senior or graduate student)
CAP 5415 Computer Vision (PR: COP 3530C)
CAP 5512 Evolutionary Computing
COP 4520 Concepts of Parallel and Distributed Processing
(PR:COP 3530C and COP 3402C)
LIN 4711 Language Analysis (PR: LIN 3716 and LIN 3717)
LIN 4711L Language Analysis Lab (PR: LIN 3716 and LIN 3717)
PHI 3626 Advanced Ethics in Science and Technology
(PR: COP 3502C or DIG 2000 or C.I.)
PHI 2101 Critical Thinking
PHI 2101 Formal Logic I
PHI 4500 Metaphysics (PR: Philosophy Major or C.I.)
PHI 4321Philosophies of Embodiment (PR: Junior standing and either PHI 2010, PHI 2111, PHI 2101, or C.I.)
MAP 4103 Mathematical Modeling I (PR: MAC 2311 or MAC 2281, and MAP 2302)
PSY 4025 The Psychology of Art (PR: PSY 2012 and ARH 205x)
PSY 3213C Research Methods in Psychology (PR: PSY 2012 and STA 204C or STA 2023)
EXP 3204C Perception (PR: PSY 2012 and PSY 3213C)
(Electives may also be chosen from Required Courses above)

Other Requirements
- A minimum 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 Communicative Disorders
HPA2 Suite 101
Undergraduate Coordinator: Jamie B. Schwartz, 407-823-4798
E-mail: jschwart@mail.ucf.edu
http://www.cohpa.ucf.edu/comdis

Credit Hour Requirements 22 hours
Required Courses
SPA 3471 Communication Disorders In Literature & Media 3 hrs
SPA 3112 Basic Phonetics 3 hrs
SPA 3112L Basic Phonetics Lab 1 hr
LIN 3716 Language Development: Birth Through 8 years 3 hrs
SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
SPA 4032 Audiology 3 hrs
SPA 4400 Language Disorders Across the Lifespan 3 hrs
SPA 4476 Speech Disorders Across the Lifespan 3 hrs

Other Requirements
- A minimum GPA of 1.75 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- At least 19 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Licensed Speech Language and Audiology Assistant
This state license may be obtained by completing the minor plus one additional course in the disorders area as recommended by the academic advisor.

COMMUNITY ARTS—PAVE: Minor
College of Arts and Humanities
Department of Art, VAB 117
http://www.art.ucf.edu/
E-Mail: art@ucf.edu
Kevin Haran, 407-823-5203

Minor Requirements
Partners in Art in Visual Education (PAVE)
A minor in Community Arts—PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus). Students interested in the minor should contact the department chair.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used toward the minor.

COMPUTER SCIENCE: Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science,
Harris Corp Engineering Ctr, Rm 245
E-mail: computerscience@ucf.edu
http://www.cs.ucf.edu

Credit Hour Requirements 20 hours
Required Courses
COP 3223 Intro to Programming with C 3 hrs
COP 3330 Intro to Object Oriented Programming 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
COT 3100C Introduction to Discrete Structure or 3 hrs
MAD 2104 Foundations of Discrete Mathematics 3 hrs
Minors

CRIMINAL JUSTICE: Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
HPA1 311
Dr. Mary Ann Eastap, 407 823-3598
cjadvise@mail.ucf.edu

No credit by exam (TSD, Military credit) may be used.
At least 15 hours used in the minor must be earned at UCF with-

Other Requirements
- Students must earn an overall minimum of 2.0 GPA in the cours-
es 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 with-
in the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

DANCE: Minor
College of Arts and Humanities
Theatre Department, UTC 180
http://www.theatre.ucf.edu

No credit by exam (TSD, Military credit) may be used.
At least 14 hours used in the minor must be earned at UCF with-
in the department.

Other Requirements
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 14 hours used in the minor must be earned at UCF within
the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with
prior written permission.

DEAF STUDIES: Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders
http://www.cohpa.ucf.edu/comdis
HPA II, Room 101

The Deaf Studies Minor addresses a growing interest in Deaf culture in the United States. Through the minor students not only acquire a second language that they may use to communicate with the Deaf community, but they also discover a rich and complex cultural group. The minor is available to students in all disciplines who would find it a useful addition to their major, in particular those majoring in interpersonal and organizational communication, psychology, sociology, the health professions, and social work. Additionally, a minor in Deaf Studies will serve as a valuable confirmation for employers and graduate schools of a student’s specialized knowledge in the field.

DIGITAL MEDIA: Minor
College of Arts and Humanities
Digital Media Program, 500 OTC
http://www.creat.cas.ucf.edu

No credit by exam (TSD, Military credit) may be used.
At least 12 hours used in the minor must be earned at UCF with
the Department of Communication Sciences and Disorders.

Other Requirements
- A minimum of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the minor.
- At least 12 hours used in the minor must be earned at UCF with
the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) Internship or
Independent Study credit may be used toward the minor.

OTHER REQUIREMENTS
Minors

EARLY CHILDHOOD EDUCATION: Minor
College of Education
Department of Child, Family, and Community Sciences
ED 209
http://pegasus.cc.ucf.edu/~eceucf/
Program Coordinator: Lynn Hartle (Until August 2006)
ED 206, 407-823-0045
E-mail: ece@mail.ucf.edu

The Early Childhood Education minor is intended to provide a limited but substantive experience in the fields of education and early childhood education. The minor is intended for University students enrolled outside the College of Education and does not lead to teacher certification or admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career working with young children in the fields of education, early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This Minor is available for students in the 2003 Catalog Year and beyond.

Credit Hour Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED 3310</td>
<td>Emergent Literacy 3 hrs</td>
</tr>
<tr>
<td>ECC 3208</td>
<td>Play Development 3 hrs</td>
</tr>
<tr>
<td>EDF 3307</td>
<td>Learning Environments &amp; Guidance 3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children with Special Needs 3 hrs</td>
</tr>
<tr>
<td>EEX 4751</td>
<td>Parent Involvement 3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL 3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (choose one) (3 hrs)

- EDF 3740 Foundations of ECE 3 hrs
- EDF 3120 Observing Child Growth & Development 3 hrs
- LAE 3414 Children’s Literature 3 hrs
- RED 3012 Foundations of Reading 3 hrs
- EEC 4731 Health & Nutrition 3 hrs
- RED 4311 Development of Literacy 3 hrs
- MAE 4300 Exploring Mathematics 3 hrs
- SCE 4023 Teaching Science & Technology 3 hrs

Other Requirements:
- Completion of all parts of the CLAST with appropriate passing scores, not alternatives, or completion of an A.A. degree from a Florida public post secondary institution, including completion of CLAST with appropriate scores or alternatives.
- A minimum GPA of 2.5 of all Gordon Rule is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer 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 both Business Majors and non-Business Majors)
College of Business Administration
Department of Economics, BA 318
R. Pennington, 407-823-2840, robertp@bus.ucf.edu

Credit Hour Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Macroeconomics 3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Microeconomics 3 hrs</td>
</tr>
<tr>
<td>Select one of the following two courses:</td>
<td></td>
</tr>
<tr>
<td>ECO 3101 Intermediate Price Theory 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ECO 3203 Aggregate Econ Conditions Anal 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

Upper Division Restricted Electives (9 hrs)
Select from any ECO, ECP or ECS courses at the 3000-4000 level, excluding ECO 3401. Note: ECO 3401 is a pre-requisite for ECO 3411.

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.

EMERGENCY MANAGEMENT AND HOMELAND SECURITY: Minor
College of Health and Public Affairs
Department of Public Administration, HPA 238
Mr. Robert Morin, 407-823-2604; fax: 407-823-5651
Email: mmorin@mail.ucf.edu

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Environmental Protection Agency, Occupational Health and Safety Administration, the Orange County Emergency Management Division, the Federal Emergency Management Agency, the Department of Homeland Security and state and local Homeland Security agencies.

Credit Hour Requirements

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4110</td>
<td>Intergovernmental Administration 3 hrs</td>
</tr>
<tr>
<td>PAD 4392</td>
<td>Emergency Management and Homeland Security 3 hrs</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Information Systems for Public Managers and Planners 3 hrs</td>
</tr>
<tr>
<td>PAD 4395</td>
<td>Disaster Response and Recovery 3 hrs</td>
</tr>
<tr>
<td>PAD 4390</td>
<td>Hazard Mitigation and Preparedness 3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (select one) (3 hrs)

- CCJ 4661 Conflict & Terrorism 3 hrs
- HSA 4938 Health Issues in Disasters 3 hrs

Other Requirements:
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.

ENGLISH - CREATIVE WRITING: Minor
College of Arts and Humanities
Department of English, CNH 301
english@ucf.edu
T. Krise, 407-823-2212

Credit Hour Requirements

<table>
<thead>
<tr>
<th>Required Course</th>
<th>21 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRW 3013</td>
<td>Creative Writing for English Majors 3 hrs</td>
</tr>
</tbody>
</table>

Credit Hour Requirements

<table>
<thead>
<tr>
<th>Select one course after completing CRW 3013</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRW 3101 Fiction Workshop</td>
</tr>
<tr>
<td>CRW 3111 Creative Nonfiction Writing</td>
</tr>
<tr>
<td>CRW 3310 Poetry Workshop</td>
</tr>
</tbody>
</table>

Restricted Elective Courses (6 hrs)

- Select one course after completing CRW 3013
- CRW 4122 Advanced Fiction Writing Workshop (PR: CRW 3120)
- CRW 4224 Advanced Nonfiction Workshop (PR: CRW 3211)
- CRW 4320 Advanced Poetry Writing Workshop (PR: CRW 3310)

Restricted Upper Division Electives (12 hrs)

- CRW 3311 Structure of Verse
- CRW 3310 Writing Scripts
- CRW 4114 History of Prose Style
- CRW 5932 Teaching Creative Writing

Any of the above courses not already used can be used toward the minor with prior approval of the economic advisor.
### ENGLISH - LINGUISTICS: Minor

**College of Arts and Humanities**  
Department of English, CNH 301  
*english@ucf.edu*  
T. Krise, 407-823-2212

**Credit Hour Requirements**  
18 hrs

**Required Courses**  
(9 hrs)
- LIN 3010: Introduction to Linguistics 3 hrs
- LIN 4100: History of the English Language 3 hrs
- LIN 4680: Modern English Grammar 3 hrs

**Restricted Upper Division Electives**  
(9 hrs)
- LIN 4643: Cross Cultural Communication 3 hrs
- LIN 4660: Linguistics and Literature 3 hrs
- LIN 4901: Language and Meaning 3 hrs
- LIN 5137: Linguistics 3 hrs
- ANT 3640: Language and Culture 3 hrs
- PHI 4400: Philosophy of Science 3 hrs
- or any course approved by the Linguistics Committee

**Other Requirements**
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### ENGLISH - LITERATURE: Minor

**College of Arts and Humanities**  
Department of English, CNH 301  
*english@ucf.edu*  
T. Krise, 407-823-2212

**Credit Hour Requirements**  
21 hrs

**Required Course**  
(3 hrs)
- ENG 3014: Theories and Techniques of Lit Study
  (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 WRITING & EDITING: Minor

**College of Arts and Humanities**  
Department of English, CNH 301  
*english@ucf.edu*  
T. Krise, 407-823-2212

**Credit Hour Requirements**  
18 hrs

**Choose 18 hours from the following Required courses**
- ENC 3211: Theory & Practice of Tech Writing 3 hrs
- ENC 3241: Writing for the Technical Professional 3 hrs
- ENC 4215: Technical Publication and Project Management 3 hrs
- ENC 4218: The Visual Elements in Technical Communication 3 hrs
- ENC 4293: Documentation and the Collaborative Process 3 hrs
- ENC 4294: Documentation and Client-Based Collaboration 3 hrs
- ENC 4295: Capstone Experience in Technical Writing 3 hrs

**Other Requirements**
- Students completing the minor may intern with a Central Florida corporation
- 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.
Minors

E-mail: ls@mail.ucf.edu

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Credit Hour Requirements 21 hours

Required Course
IDS 3150 Foundations of Environmental Studies 3 hrs

Science & Environmental Electives (9 hrs)

Natural Sciences
BSC 1050L & 1051L Biology and Environment + lab
BSC 2011C Biology II
BOT 3152C Local Flora
BOT 4156C Florida Wildflowers
BOT 3800 Ethnobotany
BOT 4303C Plant Kingdom
BOT 4868C Conservation and Management of Native Plants
BOT 5623C Plant Geography and Ecology
BOT 4713C Plant Taxonomy
BSC 4312C Marine Biology
PCB 30446L Principles of Ecology and Lab
PCB 3442 Florida Aquatic Ecology
PCB 4302C Physiochemical Limnology
PCB 4303C Biological Limnology
PCB 4863 Population Biology and Evolution
PCB 5045C Conservation Biology
PCB 5326C Ecosystems of Florida
PCB 5435C Marine Ecology of Florida
PCB 5485 Models in Ecology
PCB 5328C Landscape Ecology
CHM 3120A Analytical Chemistry
CHS 4615 Environmental Chemistry
EPH 4500 Epidemiology

Environmental Engineering
ENV 3001 Introduction to Environmental Engineering
ENV 4341 Solid Waste Management

Social & Humanities Electives (9 hrs)

Environment & Society
ECP 3303 Economics and the Environment or
ECP 4302 Economics of the Environment
ECO 4701 The Global Economy
ENR 4361 International Environmental Law
PUP 3203 Environmental Politics
PUP 4503 Government and Science
PAP 4351 Issues in Environmental Program Management
PAP 5336 Introduction to Urban Planning
PAP 5338 Land Use and Planning Law
PLA 4631 Land Use and Environmental Law
PLA 4904 Sustainability

Geography
GEO 2370 Resources Geography
GEO 3042C GIS for Environmental Studies
GEO 4031C Advanced GIS Applications in Environmental Studies
GEO 4035C Remote Sensing of the Environment

Philosophy
PHI 3033 Philosophy, Religion, and the Environment
PHI 4430 Philosophy of Science
PHI 3640 Environmental Ethics
PHI 4633 Ethics and Biological Science
PHM 4031 Environmental Philosophy
PHM 5035 Environmental Philosophy

Sociology
SOP 3004 Social Psychology
SCE 4023 Teaching Science and Technology to Children
ANT 3312 Ethnology of North American Indians

Writing, Journalism Courses
JOU 4181 Public Affairs Reporting
PFG 3610C Photojournalism I
LIT 4433 Survey of Technical and Scientific Literature

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the minor.
- 18 hours must be taken at the upper division.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Liberal Studies advisors to be used toward the minor.
- Internship, independent study, and co-op credit cannot be used in this minor.

EUROPEAN STUDIES: Minor

College of Sciences
Department of Political Science, CNH 415
http://www.cas.ucf.edu/politicalscience

E-mail: politics@mail.ucf.edu

Contact: Kerstin Hamann, 407-823-2608;
An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the director of European Studies.

Credit hour requirements: 21 hrs

Required core courses:

CPO 4101 Politics of the European Union
LIT 3082 Continental European Fiction

Restricted Electives: (12 hrs)

Literature, Film, and Culture: (3 hrs)

ENL 2022 English Literature II
ENL 4101 English Novel
ENL 4240 English Romantic Writers
ENL 4262 19th Century British Prose
ENL 4273 Modern British Literature
FIL 3520 Italian Film
FIL 3521 French Film
FIL 3522 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
GEW 3101 Survey of German Literature II
GEW 3370 German Short Story
GEW 3480 German Post-War Literature
GEW 4482 German Children's Literature
GEW 4531 The Age of Goethe and Schiller
ITI 4956 Study Abroad: Italian Civilization
ITW 3101 Survey of Italian Literature II
JST 3751 Literature of the Holocaust
JST 4184 Irish Literature
MUL 3604 German Song Literature
MUL 3605 French Song Literature
SPW 3101 Survey of Spanish Literature I
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 3515 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 4592 English History: 1815-Present
EUH 4574 History of Russia: 1801-1917
EUH 4576 History of Russia in the 20th Century
EUH 4582 20th Century Russian Diplomatic History
EUH 4610 Women in European Society
EUH 4620 European Great Powers: 1815-1914
GER 4510 Life and Culture in Nazi Germany
JST 3701 History of the Holocaust

Political Science or Economics (3 hrs)
Minors

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
ECS 4003 Economics of European Integration
INR 4035 International Political Economy

Other Courses: (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
- ARH 4430 19th Century Art
- ARH 4450 20th Century Art
- PHP 3783 Modernity as a Philosophical Problem
- PHP 3786 Existentialism
- PHP 4782 Phenomenology

Any course substitutions are subject to prior approval by the director.

Foreign Language Requirement:
Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

Other Requirements
- A grade of "C" (2.0) or better is required for all courses counting toward the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours must be taken at UCF.
- No credit by exam (military credit, TSD) may be used.
- Courses offered by the Modern Languages Department might be offered in a language other than English.
- At least 15 credits must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

EXCEPTIONAL EDUCATION: Minor

College of Education
Department of Child, Family, and Community Sciences
ED 209; http://www.education.ucf.edu
Program Coordinator: Dr. Lee Cross
E-mail: lcross@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 not intended for students enrolled in the College of Education and does not lead to teacher certification nor 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 in the fields of education or exceptional education. This minor will strengthen the marketability of the student's major program. This minor is available for students in the 2001 catalog and beyond.

Credit Hour Requirements 20-21 hrs

Required Courses (18 hrs)
- RED 3012 Basic Foundations of Reading 3 hrs
- EEX 4003 Teaching Exceptional Students 3 hrs
- EEX 4601 Introduction to Behavior Management 3 hrs
- EEX 4753 Parent/Professional Collaboration 3 hrs
- EDR 4603 Analysis of Critical Issues in Education 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents/Adults or
- EEX 3241 Methods for Academic Skills for Excep. Students 3 hrs

Restricted Electives (2-3 hrs)
- EEX 4054 Applications and Theories for Students with Special Needs or
- EDF 4214 Classroom Learning Principles 3 hrs

A grade of "C" (2.0) or better is required for all courses used to satisfy the minor.
- At least 12 hours 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.

FINANCE: Minor

(Open to Business and Non-Business Students)
Not available to Finance Majors
College of Business Administration
Department of Finance, BA 409
http://www.bus.ucf.edu/finance

Credit Hour Requirements 18 hrs

Required Courses: (12 hrs)
- ACG 2021 Principles of Financial Accounting
- ACG 2071 Principles of Managerial Accounting
- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics

Other Requirements
- A student minoring in finance must earn a grade of "C" (2.0) or higher in each course applied toward the requirements for the minor. Students must have an overall GPA of 2.0 or higher in all courses attempted in the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
No grades below “C-” (1.75) and no “S” grades will be accepted. Other Requirements

Note: ZOO 3736C should be taken prior to PET 4132, PET 4550, and PET 4083C

* If the student has completed a Human Anatomy course with a laboratory requirement at another school, it can be substituted for ZOO3736C. This is also true for the Human Injuries course, PET2622C and the PEM 2171 Aerobics course. Both of these courses are often completed at a community college.

Note: ZOO 3736C should be taken prior to PET 4132, PET 4550, and PET 4083C

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://www.cas.ucf.edu/furlang

GERMAN: Minor

College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://www.cas.ucf.edu/furlang

Modernlanguage@ucf.edu

P. Giordano, 407-823-2472

Credit Hour Requirements

Required Courses

*PET 4132 Biomechanics 3 hrs
*PET 4550 Immunology and Exercise 3 hrs
*PET 4083P Practical Fitness Training 4 hrs
*PET 2622C Human Injuries 3 hrs

* If the student has completed a Human Anatomy course with a laboratory requirement at another school, it can be substituted for ZOO3736C. This is also true for the Human Injuries course, PET2622C and the PEM 2171 Aerobics course. Both of these courses are often completed at a community college.

Note: ZOO 3736C should be taken prior to PET 4132, PET 4550, and PET 4083C

*PET 4132 Biomechanics 3 hrs
*PET 4550 Immunology and Exercise 3 hrs
*PET 4083P Practical Fitness Training 4 hrs
*PET 2622C Human Injuries 3 hrs

* If the student has completed a Human Anatomy course with a laboratory requirement at another school, it can be substituted for ZOO3736C. This is also true for the Human Injuries course, PET2622C and the PEM 2171 Aerobics course. Both of these courses are often completed at a community college.

Note: ZOO 3736C should be taken prior to PET 4132, PET 4550, and PET 4083C

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.

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.

Other Requirements

- A grade of “C” (2.0) or better is required in each course for the minor.
- 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

- Majors may not count courses presently required in a department.
- Internship or Independent Study credit cannot be used toward the minor.

Other Requirements

- Majors may not count courses presently required in a department.
- Internship or Independent Study credit cannot be used toward the minor.
HEALTH SERVICES ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Health Professions, HPA 210
Thomas Falen, 407-823-2369
Email: falen@mail.ucf.edu

Credit Hour Requirements: 18 hrs
Required Courses (15 hrs)
HSA 3111 U.S. Health Care Systems 3 hrs
HSA 4201 Community Health Services 3 hrs
HSA 4180 Org and Mgmt for Health Agencies 3 hrs
HSA 4191 Health Care Automation 3 hrs
HSC 4500 Epidemiology 3 hrs

Restricted Elective (3 hrs)
HSC 3540 Health Law or
HSC 4553 Health Care Ethics or
HSA 4109 Managed Care or
HSA 4502 Risk Management or HIM 4506 Quality Management

(Additional prerequisite courses may be required)

Other Requirements
A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all courses used for the minor.
Grades less than “C” (1.75) are not accepted.
At least 15 hours used in the minor must be earned at UCF within the department.
No credit by exam (TSD, Military credit) may be used in the minor.
Internship or Independent Study credit cannot be used toward the minor.

HISTORY: Minor
College of Arts and Humanities
Department of History, CNH 551
http://pegasus.cc.ucf.edu/~history
history@ucf.edu
Edmund F. Kallina, 407-823-2224

Credit Hour Requirements: 18 hrs
Restricted Upper Division Electives (15 hrs)

History Elective (3 hrs)
Any course taught within the History Department

Other Requirements
A grade of “C” (1.75) or better is required in all courses used to satisfy the minor.
At least 12 hours used in the minor must be earned at UCF within the department.
No credit by exam (TSD, Military credit) may be used without departmental approval.
Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

HOSPITALITY MANAGEMENT: Minor
Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, FL 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

Credit Hour Requirements: 18 hours
Required Courses (6 hrs)
HFT 1000 Introduction to Hospitality Mgmt 3 hrs
HFT 3540 Guest Services Management I 3 hrs
Choose any two courses from the following: (6 hrs)
HFT 2403 Hospitality Financial Accounting 3 hrs
HFT 3431 Hospitality Managerial Accounting 3 hrs
HFT 2600 Hospitality Marketing 3 hrs
HFT 2220 Hospitality Human Resource Mgmt 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
HFT 3600 Legal Environment in Hospitality 3 hrs
HFT 4462 Hospitality Industry Finance 3 hrs
HFT 4286 Hospitality Communications 3 hrs
Choose any two courses from the following: (6 hrs)
HFT 3700 Tourism Management 3 hrs

HFT 3261 Restaurant Management 3 hrs
HFT 3273 Principles of Resort Time Sharing 3 hrs
HFT 4755 Theme Park & Attraction Mgmt 3 hrs
HFT 2750 The Event Industry 3 hrs
FSS 2221C Quantity Food Preparation 3 hrs
HFT 2254 Lodging Operations 3 hrs

Other Requirements
A minimum GPA of 2.0 in all courses used to satisfy the minor.
At least 12 credit hours used in the minor must be earned at UCF within the College.
No credit by exam (TSD, Military credit) may be used in the minor.
It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
Final exams will be given during Final Exam Week only.
Internship or Independent Study credit cannot be used toward the minor.

HUMANITIES: Minor
College of Arts and Humanities
Department of Philosophy, CNH 411
http://www.cas.ucf.edu/philosophy
philosophy@ucf.edu
Bruce Janz, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Liberal Arts major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

Credit Hour Requirements: 21 hrs

Humanities Foundations: 6 hours
Select two courses:
HUM 3435 Medieval Humanities
HUM 3255 Modern Humanities
HUM 3252 Contemporary Humanities

Humanistic/Religious Traditions: 6 hours
Select two courses:
HUM 3401 Ancient Humanities
HUM 3417 Hindu Thought and Culture
HUM 3419 Islamic Thought and Culture
HUM 3552 Christian Thought
HUM 3553 Moses, Jesus and Muhammad
ANT 3245 Native American Religions
JST 3401 The Jewish People

Applications: 6 hours
Select two courses:
PHI 3803 Philosophy and Creativity
PHI 3033 Philosophy, Religion, and the Environment
PHM 3123 Feminist Theories
REL 3162 Healing: Culture, Art, and Praxis
REL 3115 Religion, Spirituality, and Popular Music
REL 3111 Religion and Philosophy through Film
HUM 4554 Religious Quest and the Human Dilemma
HUM 4530 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 hours
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
CLA 3850 Classical Mythology
CLA 3851 Comparative Mythology

Other Requirements
A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
At least 15 hours used in the minor must be earned at UCF within the department.
No credit by exam (TSD, Military credit) may be used.

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Minors

- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

INFORMATION TECHNOLOGY: Minor
College of Engineering and Computer Science
School of Electrical Engineering & Computer Science
Harris Corp EngineeringCtr, Rm 245
E-mail: computercscience@ucf.edu
http://www.cs.ucf.edu
Mark Llewellyn, 407-823-2341

Credit Hour Requirements

Required Courses

Select one of the following options:

Option 1 (Not open to Computer Science Minors or Liberal Studies Majors):

- CGS 1060C or CGS 2100CC
  - 3 hrs
- COP 2500C
  - 4 hrs
- CGS 2585C
  - 3 hrs
- CGS 3269
  - 3 hrs
- CGS 3268
  - 3 hrs
- CGS 3763 Operating Systems Concepts
  - 3 hrs

Option 2 (Not open to Computer Science Minors or Liberal Studies Majors):

- CGS 2500C Intro to Programming with C
  - 3 hrs
- CGS 3502C Computer Science I
  - 3 hrs
- CGS 1060C or CGS 2100CC
  - 3 hrs

Restricted Electives

Select from the following:

- CGS 3346C Unix Operating Systems
  - 3 hrs
- CGS 2545C Database Concepts
  - 3 hrs
- CGS 2585C Desktop/Internet Publishing
  - 3 hrs
- CGS 3175 Internet Application
  - 3 hrs
- CGS 3269 Computer Architecture Concepts
  - 3 hrs
- CGS 3268 Computer Networks Concepts
  - 3 hrs
- CGS 3763 Operating Systems Concepts
  - 3 hrs

College Electives

Options 1 and 2

- 3 hrs
Options 3

- 6 hrs

Any upper division courses offered within Computer Science at UCF or additional courses chosen from the restricted electives (exclusive of independent studies, internships, and those courses listed under Required Courses). See other requirements.

Other Requirements

- Not open to Information Technology majors.
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

INTERNATIONAL AND GLOBAL STUDIES: MINOR
College of Sciences
Department of Political Science, CNN 415
http://www.cs.ucf.edu/politicalscience
email: politics@ucf.edu
Contact: Waltraud Morales, 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Credit Hour Requirements

Note: It is the student’s responsibility to satisfy course prerequisites.

Core Courses

- IDS 4315 Global Perspectives
- GEO 3471 World Political Geography

Restricted Political Science Electives

Select one

- INR 4090 Diplomacy
- INR 4076 Global Drug Policy

21-32 hrs

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. Students minoring in International Business must earn a grade of “C” (2.0) or better in each course applied toward the Minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Business Administration.

INTERNATIONAL BUSINESS:
Minor for Business Majors
College of Business Administration
Office of Student Support, BA 240
Richard Ajayi, 407-823-5908

Credit Hour Requirements

Required Courses

ECO 3703 International Trade or
ECO 4000 International Macroeconomics
FIN 4604 International Financial Management
MAN 4600 International Management or
MAR 4156 International Marketing

18 hrs

Elective

- ECO 3703 International Trade
- ECO 4000 International Macroeconomics
- ECS 4013 Economics of Developing Areas
- GEO 3471 World Political Geography
- INR 4035 International Political Economy
- INR 4075 International Political Theory
- INR 4350 Global Environmental Politics
- INR 4502 International Organizations

12 hrs

Internship, Cooperative Education, or Independent Study credit cannot be used toward the minor.

Other Requirements

Other Requirements

A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

INTERNATIONAL BUSINESS:
Minor for Business Majors
College of Business Administration
Office of Student Support, BA 240
Richard Ajayi, 407-823-5908

Credit Hour Requirements

Required Courses

ECO 3703 International Trade or
ECO 4000 International Macroeconomics
FIN 4604 International Financial Management
MAN 4600 International Management or
MAR 4156 International Marketing

18 hrs

Elective

- ECO 3703 International Trade
- ECO 4000 International Macroeconomics
- ECS 4013 Economics of Developing Areas
- GEO 3471 World Political Geography
- INR 4035 International Political Economy
- INR 4075 International Political Theory
- INR 4350 Global Environmental Politics
- INR 4502 International Organizations

12 hrs

Internship, Cooperative Education, or Independent Study credit cannot be used toward the minor.

Other Requirements

A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

INTERNATIONAL BUSINESS:
Minor for Business Majors
College of Business Administration
Office of Student Support, BA 240
Richard Ajayi, 407-823-5908

Credit Hour Requirements

Required Courses

ECO 3703 International Trade or
ECO 4000 International Macroeconomics
FIN 4604 International Financial Management
MAN 4600 International Management or
MAR 4156 International Marketing

18 hrs

Elective

- ECO 3703 International Trade
- ECO 4000 International Macroeconomics
- ECS 4013 Economics of Developing Areas
- GEO 3471 World Political Geography
- INR 4035 International Political Economy
- INR 4075 International Political Theory
- INR 4350 Global Environmental Politics
- INR 4502 International Organizations

12 hrs

Internship, Cooperative Education, or Independent Study credit cannot be used toward the minor.

Other Requirements

A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

INTERNATIONAL BUSINESS:
Minor for Business Majors
College of Business Administration
Office of Student Support, BA 240
Richard Ajayi, 407-823-5908

Credit Hour Requirements

Required Courses

ECO 3703 International Trade or
ECO 4000 International Macroeconomics
FIN 4604 International Financial Management
MAN 4600 International Management or
MAR 4156 International Marketing

18 hrs

Elective

- ECO 3703 International Trade
- ECO 4000 International Macroeconomics
- ECS 4013 Economics of Developing Areas
- GEO 3471 World Political Geography
- INR 4035 International Political Economy
- INR 4075 International Political Theory
- INR 4350 Global Environmental Politics
- INR 4502 International Organizations

12 hrs

Internship, Cooperative Education, or Independent Study credit cannot be used toward the minor.

Other Requirements

A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
No credit by exam (TSD, Military credit) may be used.

Internship or Independent Study credit cannot be used toward the minor.

**INTERPERSONAL COMMUNICATION: Minor**

**College of Sciences**

Nicholson School of Communication, COM 258 407-823-2852

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

E-mail: communication@ucf.edu

Contact: Susan Jefferson

Not open to Interpersonal/Organizational Communication majors.

**Credit Hour Requirements** 21 hrs

**Required Courses** (6 hrs)

- COM 3311 Communication Research Methods
- SPC 3380 Interpersonal Communication

**Restricted Electives** (15 hrs)

Select two courses from the following five areas:

1. Communication and Human Relations
   - COM 301C
   - SPC 4331
   - SPC 4540
   - SPC 4425
   - COM 4461
   - COM 4462

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.

**INTELLIGENT ROBOTIC SYSTEMS (IRS): INTERDISCIPLINARY Minor**

**College of Engineering and Computer Science**

CECS Academic Affairs, ENGR 107

Paul Edlen, 407-823-2455, paule@mail.ucf.edu

http://www.cecs.ucf.edu

**Credit Hour Requirements** 18 hrs

**Required Courses**

- EGN 3060C Introduction to Robotics 3 hrs

**Select two courses from the following five areas:**

- Control Systems
  - EEL 3657 Linear Control Systems 3 hrs
  - EML 4312 Feedback Control 3 hrs
- Manipulation and Rigid Body Motion
  - EGN 3521 Engineering Analysis – Dynamics 3 hrs
  - EML 3202 Kinematics of Mechanism 3 hrs
- Computer Vision and Intelligent Systems
  - CAP 4435 Robot Vision 3 hrs

If a student chooses to take a third course, it will be counted as an elective.

**Elective Courses** (9 hrs)

**Select any three elective courses from the following courses:**

- Path Planning, Autonomous Systems, Controls, Signal/Image Processing
  - EEL 4664 Autonomous Robotic Systems 3 hrs
  - EEL 4612 Intro to Modern and Robust Ctrl 3 hrs
  - EEL 4750 Digital Signal Proc Fund 3 hrs
  - 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
- Computer Vision and Intelligent Systems
  - CAP 5415 Computer Vision 3 hrs
  - CAP 5512 Evolutionary Computation 3 hrs
  - CAP 5610 Machine Learning 3 hrs
- Mechatronics and MEMS
  - EML 3804 Digital Control in Mechatronics 3 hrs
  - EEL 5625 Applied Control Systems 3 hrs
  - EML 5290 Intro to MEMS & Micromachining 3 hrs

**Other Requirements**

- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- Students whose major requires senior design courses are encouraged to take the multidisciplinary senior design course (EGR 4412 and EGR 4413) and to undertake a project in intelligent robotic systems. If done, a certificate will be issued with the minor.
- A high-level programming language class (EGR 3210 or COP 3232 or equivalent) is required for the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**ITALIAN: Minor**

**College of Arts and Humanities**

Modern Languages and Literatures, CNH 523

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

E-mail: modernlanguage@ucf.edu

P. Giordano, 407-823-2472

**Credit Hour Requirements** 18 hrs

**Restricted Electives**

- Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course. Approval of a departmental advisor is required prior to registration.

**Other Requirements**

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

**JUDAIC STUDIES: Minor**

**College of Arts and Humanities**

Judaic Studies Program, CNH 201

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

E-mail: judaicst@ucf.edu

Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The Program cooperates with the departments of English, Modern Languages, History, Philosophy, Political Science, and Sociology/Anthropology, and with the Liberal Studies and Women’s Studies Programs. Students who desire to minor in Judaic Studies are encouraged to meet with the program director. For Certificate requirements, refer to the section on Judaic Studies Certificate.

**Credit Hour Requirements** 18-26 hrs

**Required Courses (or proficiency)** (0-8 hrs)

- HBR 1120 Elementary Modern Hebrew Lang and Cult I
- HBR 1121 Elementary Modern Hebrew Lang and Cult II

**Restricted Upper Division Electives** (18 hrs)

**Jewish History**

- JST 3401 The Jewish People I
- JST 3402 The Jewish People II
- JST 3550 Introduction of Modernism into Judaism
- JST 3701 History of the Holocaust

**Bible**

- JST 3144 Dead Sea Scrolls
- JST 3120 Jewish Scriptures
- JST 3125 The Book of Job
- JST 3126 System Control
- JST 3144 Dead Sea Scrolls

**Literature**

- JST 3100 The Hebrew Creative Mind
- JST 3511 Literature of the Holocaust

**Culture**

- JST 3450 Modern Jewish Experience
- JST 3820 Modern Hebrew Culture
- JST 3010 The Jewish National Movement
Latin America Area Studies: Minor
College of Arts and Humanities
VAB 203
(407) 823-1173 or 1174
Dr. Luis Martinez-Fernandez, Program Director
martfem@mail.ucf.edu

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Credit Hour Requirements 18 hrs
Admission Requirement
Admission by interview with the Program Director.

Required Skills
Successful completion of SPN 1120 and SPN 1121 or demonstration of proficiency.

Restricted Electives (18 hrs)
At least 6 hours must be from one disciplinary group, and at least 3 hours from two additional groups. The other 12 must be selected from any of the disciplinary groups. Additional courses not listed below may substitute with prior approval from the Program Director.

Anthropology:
- ANT 3164 Ancient Incas
- ANT 3168 Maya Archaeology
- ANT 3323A People and Cultures of Latin America
- ANT 4340 Caribbean Cultures
- ANT 4308A Gender Issues in Latin America
- ANT 3168 Maya Archaeology

Art History:
- ARH 4655 Meso American Art
- ARH 3673 Modern Art of Mexico
- ARH 3670 20th Century Latin American Art

Modern Languages and Literature:
- SPN 2200 Intermediate Modern Hebrew Language and Culture
- FRW 3770 Francophone Literature
- SPW 3130 Survey of Latin American Literature I
- SPW 3131 Survey of Latin American Literature II
- LIT 3192 Caribbean Literature
- FRW 3752 French Caribbean Literature
- SPW 4382 Literature of Central America
- AML 3615 Harlem, Haiti, and Havana
- AML 4630 Latino/Latina Literature
- SPN 3852 Bilingualism
- SPW 4730 Hispanic Literature of the United States
- SPN 4780 Spanish Phonetics

History:
- LAH 3130A Latin American History I
- LAH 3200 Latin American History II
- LAH 3405A History of Mexico and Central America
- LAH 3470 History of the Caribbean
- AMH 3586 History of the Hispanic Minorities in the US

Latin American Studies:
- LAS 4906 Independent Study in Latin American, Caribbean and Latino Studies
- LAS 4023 African Caribbean Experience

Political Science:
- CPO 4303 Comparative Latin American Politics
- INR 4243 International Politics of Latin America
- CPO 5334 Contemporary Politics in the Maya Region

Required Written Project (0 hrs)
In consultation with the Program Director, a major written paper on some aspect of Latin America, the Caribbean or Latino Studies must be completed and approved before graduation.

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

LEGAL STUDIES: Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, HPA 311
David B. Slaughter, 407-823-2603
E-mail: dslaughter@mail.ucf.edu

Credit Hour Requirements 21 hrs
Required Courses (3 hrs)
- PLA 3013 Law and the Legal System

Restricted Upper Division Electives (15 hrs)
15 semester hours of legal studies courses selected with the aid of an advisor.

Restricted Electives (3 hrs)
3 semester hours of law-related courses selected with the aid of an advisor.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

MAGAZINE JOURNALISM: Minor
College of Sciences
Nicholson School of Communication, COM 258
http://www.cas.ucf.edu/communication
E-mail: journalism@ucf.edu
Contact: Fred Federl, 407-823-2839

Prerequisites
- Grammar proficiency requirement
- A minimum UCF GPA of 3.3

Credit Hour Requirements 18 hrs
Required courses (9 hrs)
- JOU 2100C News Reporting 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4224 Magazine Editing and Production 3 hrs

Restricted Upper Division Electives (9 hrs)
- 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 New Media Studies 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.
MANAGEMENT INFORMATION
SYSTEMS: Minor
(For both Business and Non-Business Majors)
College of Business Administration
Department of MIS, BA 325
407-823-3173
Credit Hour Requirements 19 hrs
Prerequisite courses
CGS 2100C Computer Fundamentals for Business or
CGS 1060C Intro to Computer Science (or equivalent)
MAC 1105 College Algebra or
MGF 1106 Finite Mathematics
Required Courses 10 hrs
ISM 3011 Management Information Systems 3 hrs
ISM 3253 MIS Techniques 4 hrs
ISM 4212C Database Management 3 hrs
Electives (choose three) 9 hrs
Any 4000 or 5000 Level ISM course from those listed below or others with the permission of the MIS Department Chair:
ISM 4113 Information Systems Analysis and Design
ISM 4130 Information Systems Implementation
ISM 4220 Distributed Information Systems
ISM 4300 Technology Management
ISM 4480 Electronic Commerce Systems
ISM 4932 Special Topic Course
ISM 5315 Information Systems Project Management
ISM 5219 Business Intelligence Systems
Other Requirements
Courses in the MIS major may substitute for required and elective courses with approval of department chair.
A grade of "C" (2.0) is required in all courses used to satisfy the minor.
Grades below "C" (2.0) are not accepted.
At least 9 hours of upper division credit used in the minor must be earned at UCF.
Minor is not available to MIS Majors
No credit by exam (TSD, Military credit) may be used.
Internship or Independent Study credit cannot be used toward the minor.
MASS COMMUNICATION: Minor
College of Sciences
Nicholson School of Communication, COM 228
http://www.cas.ucf.edu/communication
E-mail: communication@ucf.edu
Contact: M. A. Shaver, 407-823-2681 or J. Jefferson, 407-823-3978
Credit Hour Requirements 18 hrs
Restricted Electives (18 hrs)
Select from the following:
MMC 2004 Mass Media
ADV 3000 Principles of Advertising
COM 3390 Computer Mediated Communication
FIL 2400 History of Motion Pictures
FIL 3006 Art of the Cinema
FIL 3410 History of Animated Films I
JOU 3004 History of American Journalism
MMC 3420 Mass Media Research Methods
MMC 4200 Mass Communication Law
MMC 4300 International Media
PUR 4000 Public Relations
RTV 3000 Dev & Struct of Elect Media & New Tech
RTV 3200 Prod Fund & Aesthetics 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.

MATHEMATICS: Minor
College of Sciences
Department of Mathematics, MAP 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Contact: H. Martin, MAP 231F, 407-823-5700,
E-mail: martin@math.ucf.edu
Credit Hour Requirements 21 hrs
Required Courses (15 hrs)
MAC 2311 Calculus with Analytic Geo I 4 hrs
MAC 2312 Calculus with Analytic Geo II 4 hrs
MAC 2313 Calculus with Analytic Geo III 4 hrs
MAP 2302 Differential Equations 3 hrs
(MAC 2311 and MAC 2312 may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives' hours accordingly to earn the hours required in the minor)
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.
MAD XXXX (any 3000, 4000, or 5000 level course) 3 hrs
MAS XXXX (any 3000, 4000, or 5000 level course, except MAP 3401) 3 hrs
MTG XXXX (any 3000, 4000, or 5000 level course) 3 hrs
No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor.

MIDDLE EASTERN STUDIES: Minor
College of Arts and Humanities
Middle Eastern Studies Program, CNH 411J
Husain Kassim, 407-823-2803
The Middle Eastern Studies minor is designed to complement a student's major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.
Credit Hour Requirements 21 hrs
Required Courses (9 hrs)
CPO 3403 Politics of the Middle East 3 hrs
HUM 3419 Islamic Thought and Culture 3 hrs
ASH 3223 The Modern Middle East 3 hrs
Restricted Electives (12 hrs)
Select from the following:
ARA 2200 Intermediate Arabic Language and Civilization I
ARA 2222 Islam and Its Empires
ASH 5227 The Arab-Israeli Conflict
ASH 3470 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
PHH 3200 Medieval Philosophy
REL 2300 World Religions
Additional courses may be used only with prior permission of the program director. Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120, 1121) and/or Hebrew (HBR 1120, 1121).
Other Requirements
Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
At least 15 hours used to satisfy this minor must be at the upper division.
A grade of “C” or above (2.0) is required in each course for the minor.
Minors

MILITARY SCIENCE: Minor
College of Engineering and Computer Science
Army ROTC, BLDG 501
LTC Allison R. Reinwald, 407-823-2430
Credit Hour Requirements 19 hours
Required Courses
MLB 3021C Leadership and Problem Solving 4 hrs
MLB 3022C Leadership and Ethics 4 hrs
MLB 4301C Leadership and Management 4 hrs
MLB 4302C Officership 4 hrs
Select one of the following: (3 hrs)
AMH 3541 U.S. Military History to 1900
AMH 3547 U.S. Military History since 1900

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

NORTH AMERICAN INDIAN STUDIES: Minor
College of Sciences
Department of Anthropology, PH 403
http://www.cas.ucf.edu/soc_anthro
E-mail: anthropology@ucf.edu
Contact: Rosalyn Howard, 407-823-2227
The North American Indian Studies minor will develop a more sophisticated understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for all UCF undergraduates.

Minor Requirements:
- Interview with the North American Indian Studies Director.
- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.

Credit Hour Requirements (18 hrs)
Required Courses (3 hrs)
ANT 4910 Research
Restricted Electives (15 hrs)
Courses used in the minor must be taken in at least two departments. Select from the following list.
ANT 3158 Florida Archaeology
ANT 3220 Indians of the Southwest
ANT 3230 Indians of the Northeast
ANT 3241 History of the Frontier: E America
ANT 4110 Colonial America
ANT 4120 The Atlantic World
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.
- 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.
Minors

PHILOSOPHY, RELIGION AND POPULAR CULTURE: Minor
College of Arts and Humanities
Department of Philosophy, CNH 411
http://www.cas.ucf.edu/philosophy
philosophy@ucf.edu

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Liberal Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

Credit hour requirements 21 hours

Note: Appropriate special topics in philosophy or humanities may be substituted for some core courses with prior approval by department advisor.

Theoretical Foundations (6 hrs)

PHI 3684 Ways of Living
PHI 4341 Ways of Knowing

Philosophy (3 hrs)

Select at least one course:

PHI 2101 Critical Thinking
PHI 3670 Critical Theory
PHI 3700 Philosophy of Religion
PHI 3800 Aesthetics
PHI 3801 Ancient Philosophy
PHI 3802 Medieval Philosophy
PHI 3803 Modern Western Philosophy
PHI 3804 Contemporary Philosophy
PHI 3805 Aesthetics

Religion (3 hrs)

Select at least one course:

CLA 3851 Comparative Mythology
HUM 3552 African Thought
HUM 3553 Arab Thought
HUM 3554 Asian Thought
HUM 3555 Christian Thought
HUM 3556 Hindu Thought
HUM 3557 Islamic Thought
HUM 4301 The Spiritual Ideal
HUM 4554 Religious Quest and Human Dilemma
PHI 3750 The Problem of Evil

Popular Culture Studies (9 hrs)

A. Contemporary Media

Select at least one course:

HUM 3320 Contemporary Multicultural Studies
HUM 4556 Religion and the Arts
HUM 4330 Performance Theory
PHI 3625 Virtual Ethics
PHI 4931 Philosophy in the News
POS 3235 Mass Media and Politics
POS 3238 Politics in Film
REL 3115 Religion, Spirituality and Popular Music
Minors

REL 3111 Religion and Philosophy through Film
SYP 3630 Sociology of Popular Culture

B. Contemporary Forms of Life
Select at least one course:
ANT 3302 Sex, Gender and Culture
HUM 3252 Contemporary Humanities
PHI 3022 Sex, Gender and Philosophy
PHI 3629 Family Values
PHI 3033 Philosophy, Religion and me Environment
PHM 3401 Philosophy of Law
PHI 3638 Ethical Issues in the 21st Century
PHI 3683 Philosophy of Friendship
PHM 3123 Feminist Theories
PHI 4321 Philosophies of Embodiment: Mind/Body/Self
REL 3151 Religion in America
REL 3162 Healing Culture, Art, and Praxis

Other Requirements
- A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

PHYSICS: Minor
College of Sciences
Department of Physics, MAP 310
http://www.physics.ucf.edu
physics@ucf.edu
Ralph Llewellyn, 407-823-2325

Credit Hour Requirements 20 hrs
Required Courses (12 hrs)
PHY 2048 Physics for Eng and Sci I 3 hrs
PHY 2048L Physics Laboratory for Eng and Sci I 1 hr
PHY 2049 Physics for Eng and Sci II 3 hrs
PHY 2049L Physics Laboratory for Eng and Sci II 1 hr
PHY 3101 Physics for Eng and Sci III 3 hrs
Restricted Upper Division Electives (9 hrs)
Selected from upper-level Physics lecture or laboratory courses appropriate for 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.

Required Courses (6 hrs)
POS 2041 American National Government 3 hrs
POS 4284 Judicial Process and Politics 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 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

PSYCHOLOGY: Minor
College of Sciences
Psychology Department, PH 302
http://www.psych.ucf.edu/
E-mail: psychology@ucf.edu
Contact: Psychology Advising Center, PH 305G, 407-823-2219

The Psychology Department minor permits emphasis of several areas: Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Credit Hour Requirements 22 hrs
Required Courses (10 hrs)
PSY 2012 General Psychology 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I
PSY 3213C Research Methods in Psychology 4 hrs
Restricted Electives (12 hrs) of Psychology courses

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Maintain a minimum GPA of “C” (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

PUBLIC ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Public Administration, HPA2 238
Mr. Robert Morin, 407-823-2604
E-mail: morinr@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (18 hrs)
PAD 3003 Public Admin in American Society 3 hrs
PAD 4034 The Administration of Public Policy 3 hrs
PAD 4010 Administrative Theory 3 hrs
PAD 4204 Fiscal Management 3 hrs
PAD 4414 Public Personnel Administration 3 hrs
PAD 4720 Survey Research in Public Admin 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must earn at least a 2.0 (“C”) to earn credit.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without prior approval.
### REAL ESTATE: Minor
(Open to Business and Non-Business Students)
College of Business Administration
Department of Finance, BA 409
http://www.bus.ucf.edu/finance

**Credit Hour Requirements** 18 hrs

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
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<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td></td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
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<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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<th>Required Courses</th>
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<tbody>
<tr>
<td>FIN 2104</td>
<td>Personal Finance and Investments</td>
<td>3 hrs</td>
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<tr>
<td>FIN 3403</td>
<td>Business Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3043</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
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<table>
<thead>
<tr>
<th>Electives</th>
<th>6 hrs</th>
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<tbody>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4204</td>
<td>Residential Real Estate Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4732</td>
<td>Real Estate Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4xxx</td>
<td>Commercial Real Estate Finance</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**
- A student minoring in real estate must earn a grade of "C" (2.0) or higher in each course applied toward the requirements for the minor. Students must have an overall GPA of 2.0 or higher in all courses attempted in the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or independent study credit cannot be used toward the minor.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

### RELIGIOUS STUDIES: Minor
College of Arts and Humanities
Philosophy Department, CNH 411
http://www.cas.ucf.edu/philosophy
Shaun Gallagher, 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

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>3 hrs</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>REL 2300</td>
<td>World Religions</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>18 hrs</th>
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<tbody>
<tr>
<td>See department website for approved list of courses</td>
<td></td>
<td></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 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

### SECURE COMPUTING AND NETWORKS (SCAN):
Interdisciplinary Minor
College of Engineering and Computer Science
CECS Academic Affairs, ENGR 107
Kim Small, 407-823-2455; kssmall@mail.ucf.edu
http://www.cecs.ucf.edu

**Credit Hour Requirements** 18 hrs

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>9 hrs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 3360</td>
<td>Security in Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3362</td>
<td>Cryptography and Information Security</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one:</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>CDA 4506</td>
<td>Network Labs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CDA 4527</td>
<td>Computer Communications Network</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4483</td>
<td>Local Area Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4781</td>
<td>Computer Networks</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Courses</th>
<th>9 hrs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select any three courses from the following list:</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Network Security:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CET 4663</td>
<td>Computer and Network Security, or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4363</td>
<td>Network Security and Privacy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4892</td>
<td>Network Defense Strategies</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Security Management and Administration:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CET 4XXX</td>
<td>Practice of Information Security</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4884</td>
<td>Security Methods &amp; Practices</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4885</td>
<td>Investigative Digital Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Secure Software:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS 4361</td>
<td>Secure Operating Systems and Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4615</td>
<td>Secure Software Development and Assurance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- Pre-requisites to the minor include Programming in C (COP 3223, EGN 3211, CET 2364, or an equivalent) and Math for Calculus (MAC 2147), or equivalent
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

### SOCIAL SCIENCES - INTERDISCIPLINARY: Minor
Office of Undergraduate Studies
Office of Liberal & Interdisciplinary Studies
http://liberalstudies.info
E-mail: ls@mail.ucf.edu

Liberal Studies Advising Team, 407-823-0144

**Credit Hour Requirements** 21-22 hrs

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>3-4 hrs</th>
<th></th>
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<tbody>
<tr>
<td>One method course, selected from the three immediately below</td>
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</tr>
<tr>
<td>POS 3703</td>
<td>Scope and Methods of Political Science</td>
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<tr>
<td>PSY 3213C</td>
<td>Research Methods in Psychology</td>
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<tr>
<td>SYA 4300</td>
<td>Research Methods</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>18 hrs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>Economics</td>
<td>Political Science</td>
</tr>
<tr>
<td><strong>Economics:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Political Science:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Public Administration:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Psychology:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Sociology &amp; Anthropology:</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.
SOCIOPY: Minor
College of Sciences
Department of Sociology & Anthropology, PH 403
http://www.cas.ucf.edu/soc_anthro
sociology@ucf.edu
Contact: Jay Corzine, 407-823-2227
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 3 hours of Independent Study credit can be used toward the minor.

SPACE STUDIES: Minor
College of Engineering and Computer Science
Department of Mechanical, Materials and Aerospace Engineering, ENGR 307
R.H. Chen, 407-823-2416
Fax 407-823-0208
In response to the needs of the Central Florida space community, UCF offers a multidisciplinary Minor in Space Studies. It is intended for students of all disciplines and includes courses from aerospace engineering, electrical engineering, environmental engineering, instructional programs, physics, physical education, and political science.
Credit Hour Requirements 21 hrs
Required Courses (9 hrs)
EAS 3010 Fundamentals of Aerospace Flight
EAS 3101 Fundamentals of Aerodynamics
EAS 3530 Space Systems Concepts
EAS 4505 Orbital Mechanics
EGN 4830 Telecommunications
GEO 1200 Physical Geography
GEO 2370 Resources Geography
INR 4404 Space Law
PET 4351C Applied Exercise and Human Physiol
PUP 3508 Space Studies
PUP 4510 Space Policy
SCE 5825 Space Science for Educators
Other Requirements:
- Formal declaration of the minor should occur before nine credit hours have been completed.
- 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

SPANISH: Minor
College of Arts and Humanities
Modern Languages and Literatures, CNH 523
http://www.cas.ucf.edu/forlang/
modernlanguage@ucf.edu
P. Giordano, 407-823-2472
Credit Hour Requirements 18 hrs
Required Courses (3 hrs)
Select one course 3 hrs
- STA 2023 Statistical Methods I or
- STA 3032 Probability and Statistics for Engineers
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
Restricted Upper Division Electives (9 hrs)
Select from upper division STA prefix courses taught within the Statistics and Actuarial Science Department.
- STA 3032 cannot be used
Other Requirements:
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.

SPORT BUSINESS MANAGEMENT: Minor
(*Business Majors, Business Undecided, and Business Pending only)
College of Business Administration
DeVos Sports Business Management, BA2 205
F. Polite, 407-823-1158
e-mail: fpolite@bus.ucf.edu
Completion of Common Program Pre-requisites and Admission to a major within the College of Business Administration
Credit Hour Requirements 18 Hrs
Required Courses 9 Hrs
SPB 3003 Introduction to Sport Business Management 3 Hrs
SPB 3603 Diversity and Social Issues in Sport Business Management 3 Hrs
SPB 3503 Ethics in Sport Business 3 Hrs
Restricted Electives 9 Hours
SPB 4304 Event and Facility Management 3 Hrs
SPB 4404 Sport Business Law 3 Hrs
SPB 4804 Sport Business and Media 3 Hrs
SPB 4704 Sport Business Strategy 3 Hrs
MAR 4711 Sports Marketing 3 Hrs
MAR 3023 Marketing 3 Hrs
Other Requirements:
- A minimum GPA of 2.5 is required in all courses to satisfy the minor.
- Grades below “B” (3.0) or “S” grades from other institutions are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the DeVos Sport Business Management Program.
- No credit by exam (CLEP, TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit hours cannot count toward the minor.
- Students can take any minor courses if they are a Business major.
- If they are Business Undecided or Business Pending, they can take the three required courses.

STATISTICS: Minor
College of Arts and Sciences
Statistics and Actuarial Science Department, CC II 212
http://www.cas.ucf.edu/statistics
statistics@ucf.edu
Nizam Uddin, 407-823-5525
Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
Select one course 3 hrs
- STA 2023 Statistical Methods I or
- STA 3032 Probability and Statistics for Engineers
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
Restricted Upper Division Electives (9 hrs)
Select from upper division STA prefix courses taught within the Statistics and Actuarial Science Department.
- STA 3032 cannot be used
Other Requirements:
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
Minors

- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

TECHNICAL EDUCATION and INDUSTRY TRAINING: Minor
College of Education
Department of Teaching and Learning Principles, ED 209
http://reach.ucf.edu/~technicaled/
Dr. Jo Ann M. Whiteman, ED 122-T, 386-506-4041
Email: jwhitema@mail.ucf.edu

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not intended for students admitted to a degree program in the College of Education and does not lead to teacher certification or admission to the College of Education. All courses are offered solely using the Web.

Credit Hour Requirements 18 hrs
Entrance requirements Junior standing
Required courses 18 hrs

- ADE 4382 Teaching Adult Learners 3 hr
- EVT 4595 Advanced Teaching Techniques 3 hr
- EVT 3061 Professional role of the Vocational Teacher 3 hr
- EVT 3357 Evaluation in Vocational Education 3 hr
- EVT 4056 Principles and Practices in Vocational Education 3 hr

Other requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the Program of courses listed above.
- A grade of "C" (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used 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.

TECHNOLOGY AND SOCIETY: Minor
College of Engineering and Computer Science
Dr. Ronald Eaglin, ENGR 207

The College of Engineering offers a minor in Technology and Society to interested UCF students. The minor is intended for students not enrolled in the College of Engineering, although students in the College may also be awarded the minor.

Credit Hour Requirements 18 hrs
Entrance Requirement Junior standing
Required courses 18 hrs

- PAD 3330 Issues in Environmental Program Management 3 hrs
- PAD 4253 Community and Economic Development 3 hrs
- PAD 4334 Urban Design 3 hrs
- PAD 4331 Land Use and Planning 3 hrs
- PAD 4253 Community and Economic Development 3 hrs
- PAD 4531 Issues in Environmental Program Management 3 hrs

Other Requirements
- A grade of "C" (2.0) or better is required in each course used for this Minor.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.
- Prerequisites for any course must be met prior to enrollment.
- Some courses may have prerequisites not required for the student's major/minor.

THEATRE - GENERAL: Minor
College of Arts and Humanities
Theatre Department, UTC 180
http://www.theatre.ucf.edu
theatre@ucf.edu
Kristina Tollefson, 407-823-2862

Credit Hour Requirements 27 hrs
Entrance Requirement
- A successful interview
- Required Courses (27 hrs)
- Note: The number assigned many courses will change.
- Use the Prefix and title to determine the proper course.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

Other Requirements
- Participation on a minimum of one departmental production during both the Fall and Spring terms for four semesters.
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 18 hours used in the minor, including those marked by an asterisk, must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

URBAN AND REGIONAL PLANNING: Minor
College of Health and Public Affairs
Department of Public Administration, HPA2 238
Mr. Robert Morin, 407-823-1190
Email: morin@mail.ucf.edu
Fax: 407-823-5651

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Credit Hour Requirements 21 hrs
Required Courses (21 hrs)

Other Requirements
- A grade of "C" (2.0) or better is required in each course used for this Minor.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Minors
WOMEN’S STUDIES: Minor

College of Arts and Humanities
http://www.cas.ucf.edu/womensstudies

L. M. Logan, 407-823-6502,
Email: womenst@ucf.edu

The minor in Women’s Studies provides students with an opportunity to learn about women’s historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments of Art, Communications, Criminal Justice, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology and Anthropology, and Theatre.

Required Core Courses

- WST 3015 Introduction to Women’s Studies 3 hrs
- Select one course: PHM 3123 Feminist Theories 3 hrs
- LIT 4554 Advanced Feminist Theories
- WST 3561 Third Wave Feminisms

Upper Division Electives

- Student must select 2 courses from 2 of the 4 areas below:
  - Women’s History
    - AMH 3561 Women in American History I
    - AMH 3562 Women in American History II
    - ASH 4304 Women in China
    - EUH 4610 Women in European Society
  - Representations of Women
    - AML 3283 Contemporary American Women’s Fiction
    - ARH 4892 Women in Art
    - COM 4014 Gender Issues in Communication
    - FIL 3309 Women in Film
    - LIT 3383 Women in Literature
    - PHI 3022 Sexuality, Gender & Philosophy
    - WST 3460 Womanist Studies
  - Women’s Wellness
    - NUR 4035 Women’s Health Issues
    - PEM 2405 Self Defense for Women and Men
    - SOP 2772 Sexual Behavior
    - SOP 3742 Psychology of Women
  - Social Structure and Change
    - ANT 3302 Sex, Gender and Culture
    - ANT 4308 Women and Gender Issues in Lat Am
    - CCJ 4670 Women and Crime
    - CCJ 4661 Domestic Violence and Justice System
    - CPO 4710 Women and Comparative Politics
    - INR 4085 Women, Gender, and Globalization
    - PUP 4323 Women and Public Policy
    - SYD 3800 Sex Roles in Modern Society
    - SYD 4810 Women in Contemporary Society
    - SYD 4100 Family Trends
    - WST 3500 Gender Issues in Community Activism

Suggested Courses

- WST 3560 Women’s Studies

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades of “D+ or below will not be counted toward the Women’s Studies Minor.
- At least 12 hours used in the minor must be earned at UCF.

Internship or Independent Study credit cannot be used toward UCF within the department.

No credit by exam (TSD, Military credit) may be used.

At least 15 hours used to satisfy the minor must be earned at UCF.

A minimum grade of “C” (2.0) is required in each course used to satisfy the minor.

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Total Credit Hour Requirements (18 hrs)

Foundation Requirement

IDS 3XXX World Comparative Studies

Thematic Concentrations Restricted Electives (15 hrs)

Select five courses from within one of the concentrations (A-F) below. Courses not on the list may be taken with the prior approval of the program advisor. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor, with permission of the Liberal Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

A. Language and Culture

- AML 3615 Harlem, Haiti, and Havana
- ANT 3540 Language and Culture
- ANT 3145 Archaeology of Complex Societies
- ANT 3319 The Anthropology of Diaspora
- ANT 3212 Peoples of the World
- ANT 4702 Culture, Power and Development
- FSS 3008 Culture and Cuisine
- HFT 4866C Exploring Wines of the World
- HFT 3868 History and Culture of Wine
- HFT 4894 International Gastronomy
- HUM 3419 Islamic Thought and Culture

Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor.

B. Economics

- ANT 4702 Culture Power and Development
- ECO 3703 International Trade
- ECO 4xxx International Macroeconomics
- ECO 4701 Seminar in Global Economic Policy
- ECS 4013 Economics of Developing Areas
- ECP 3303 Economics and the Environment
- HFT 3700 Tourism Management
- INR 4035 International Political Economy

C. Biological and Geophysical Environment

- IDS 3150 Foundations of Environmental Studies
- ECP 3303 Economics and the Environment
- SYD 4510 Environmental Sociology
- HFT 4735 Tourism Geography
- INR 4301 International Environmental Law
- ENV 3001 Intro to Environmental engineering
- GIS 3043C GIS for Environmental Studies
- GIS 4035C Remote Sensing of the Environment
- PHI 3033 Philosophy, Religion, and the Environment
- PHI 3640 Ethnography

D. Social Structure and Change

- ANT 3145 Archaeology of Complex Societies
- ANT 3273 Law and Culture
- ANT 4702 Culture Power and Development
- PLA 4830 World Legal Systems
- SOW 5109 Violence Against Women
- SYP 4454 Sociology of the Global System
E. Media and Communication

- FIL 3510 World Cinema Traditions
- FIL 3514 International Cinema
- FIL 4564 Africana Cinema
- COM 4461 Intercultural Communication
- LIN 4643 Cross Cultural Communication
- THE 3312 Global Theater

F. World Independent Specialization

Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Liberal Studies office.

Foreign Language Proficiency Requirement (0-8 hrs)

Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

ADDITIONS: Certificate

College of Health and Public Affairs
School of Social Work, HPA 1 204

BSW Coordinator, 407-823-2114
socialwk@mail.ucf.edu

This certificate is open only to students in the undergraduate social work program (BSW). Addiction courses may be taken as electives by non-majors and be applied to the state certification. The Addictions Certificate is designed to prepare students to work in the field of addictions. This certificate addresses the role and significance of addictions on crime rates, health care, disabilities, human services, traffic safety, sexual assault, domestic violence and child abuse, the workplace and cost to the employers. Addictions have a profound impact on the lives of many people, their families, and their communities. Students will learn about patterns of addictions in society and prevention and intervention strategies. The certificate program includes academic work through courses in social work skills in the area of addictions. The certificate program will enable students to earn credit toward their certification through the Certification Board for Addiction Professionals of Florida but not the certificate program.

Admission Requirement:

This Certificate is only open to students in the undergraduate social work program (BSW). Students not in the social work program but enrolled in their junior or senior year at UCF may take the addictions courses to be applied toward their state certification through the Certification Board for Addiction Professionals of Florida.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 12 hrs

Required Courses:
- SOW 4703 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 4705 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

OTHER COURSES FOR THE HUMAN SERVICES MAJORS

Students not in the social work program must take the following courses in their College and at least two additional courses from the following:

- CCJ 4631 Drug Use and Control
- CCJ 4651 Drugs and Crime
- SOW 4703 Interventions with Substance Abusers
- SOW 3352 Practice II: Interpersonal Skills
- SOW 4341 Micro-Level Roles and Interventions
- SOW 4906 Independent Study in Addictions
- CCJ 4950 Internship in Addictions

Other Requirements:

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit), may be used.
- Independent Study cannot be used toward the minor.

AMERICAN SIGN LANGUAGE (ASL): Certificate

College of Health and Public Affairs
Department of Communicative Disorders, HPA-2, Suite 101

http://www.cohpa.ucf.edu/comdis

Undergraduate Coordinator: Jamie B. Schwartz, 407-823-4798
Email: jschwartz@mail.ucf.edu

This certificate is designed to provide students with the conversation-al 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 undergraduate students majoring in Communicative 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 who wish to enhance their ability to communicate with the deaf community and to enhance their employment potential.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 16 hrs

Required Courses:
- SPA 4612 Introduction to American Sign Language 4 hrs
- SPA 4613 Intermediate American Sign Language 4 hrs
- SPA 4614 American Sign Language III 4 hrs
- SPA 4615 American Sign Language IV 4 hrs
**Certificates**

**Other Requirements**
- A minimum grade of “C-“ (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the certificate.
- At least 8 hours used in the program must be earned at UCF with the Department of Communication Disorders.
- No credit by exam (TSD, Military credit) Internship or Independent Study credit may be used toward the certificate.

**BEHAVIORAL FORENSICS: Certificate**

**College of Sciences**

Psychology Department, PH 302

http://www.psych.ucf.edu/

E-mail: kmottare@ucf.edu

Contact: K. Mottarelli; 321-433-7892

<table>
<thead>
<tr>
<th>Credit Hour Requirements</th>
<th>27 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite Courses</strong></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>PSY 2022 General Psychology or GEP</td>
<td></td>
</tr>
<tr>
<td>SYG 2000 General Sociology</td>
<td></td>
</tr>
<tr>
<td>PPE 3003 Personality Theories</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3510 Soci of Deviant Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Required Courses</strong></td>
<td>(12 hrs)</td>
</tr>
<tr>
<td>CLP 4390 Forensic Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3751 Legal Aspects of Psych</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3520 Criminology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one course:</td>
<td></td>
</tr>
<tr>
<td>SYP 3540 Sociology of Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 4813 Women and Social Policy</td>
<td></td>
</tr>
<tr>
<td><strong>Restricted Electives</strong></td>
<td>(9 hrs)</td>
</tr>
</tbody>
</table>

Note: It is the student’s responsibility to meet all prerequisites for any course selected.

From Psychology, select one of the following:
- CLP 3143 Abnormal Psychology
- CLP 3302 Clinical Psychology
- CLP 4134 Childhood Psychopathology
- PCO 4203 Interviewing and Counseling

From Sociology, select one of the following:
- SYP 3511 Sociology of Murder
- SYP 3530 Juvenile Delinquency
- SYP 3562 Soc Perspectives on Domestic Violence
- SYP 4521 Criminal Victimization in Society
- SYP 4514 Sociology of Violence
- SYP 4536 Gangs and Society

From Criminal Justice, select one of the following:
- CCJ 3014 Crime in America
- CCJ 3024 Criminal Justice System
- CCJ 4670 Women and Crime
- CJE 4174 Serial Murder & CJ
- CCJ 4616 Criminal Profiling in CJ
- CCJ 3667 Victims and the CJ System
- CCJ 4681 Domestic Violence & the Justice Syst
- CCJ 4690 Sex Offenders & the CJ System

**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.

**CRIME ANALYSIS AND CRIME MAPPING: Certificate**

**College of Health and Public Affairs**

Department of Criminal Justice and Legal Studies, HPAI 311

Cory Watkins, 407-823-0365

E-mail: rwatkins@mail.ucf.edu

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five classes (15 credit hours) are required for this undergraduate certificate.

Certificates will be awarded only at the time of degree completion.

<table>
<thead>
<tr>
<th>Credit Hour Requirements</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>CJE 3662 CJ Information Technology and Data Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4663 Crime Analysis I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4076 Crime Analysis II</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Restricted Upper Division Electives</strong></td>
<td>(6 hrs)</td>
</tr>
</tbody>
</table>

Select two of the following:
- CCJ 3451 Justice System Technology | 3 hrs |
- CJE 3444 Crime Prevention | 3 hrs |
- CJE 4654 Crime and Place | 3 hrs |
- CCJ 3450 Criminal Justice Manager | 3 hrs |
- CCJ 4454 Policy Development in Law Enforcement | 3 hrs |
- CCJ 4459 Justice Agency Operations | 3 hrs |

**Other Requirements**
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

**CRIME SCENE INVESTIGATION: Certificate**

**College of Health and Public Affairs**

Department of Criminal Justice and Legal Studies, HPAI 311; Department of Sociology and Anthropology, PH 403

David Fabianic, 407-823-5940Dr. Mary Ann Eastep, 407 823-3598

meastep@mail.ucf.edu Fabianic@mail.ucf.edu

John J. Schultz, 407-823-2618

tscheutz@mail.ucf.edu

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available, and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work.

Certificates will be awarded only at the time of degree completion.

<table>
<thead>
<tr>
<th>Credit Hour Requirements</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
</tr>
<tr>
<td>SOW 3532 Practice II: Interpersonal Skills</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4654 Children’s Services</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4650 Child Abuse: Treatment &amp; Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4510 Field Education*</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

* Placement with the Department of Children and Families working with child welfare or placement in an agency that serves children.

NOTE: Students need to discuss their interest in the certificate with the field office while arranging for their placement.

**CHILDREN’S SERVICES: Certificate**

**College of Health and Public Affairs**

School of Social Work, HPAI 204

BSW Coordinator, 407-823-2114

This certificate is open only to students in the undergraduate social work program. The Children’s Services Certificate is designed to prepare Social Work students to work with children and families who are facing issues of abuse or neglect, or are involved in some way with the child welfare system. Students learn to assess abuse and neglect and to develop appropriate ways to work with the families and elements of the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Certificates will be awarded only at the time of degree completion.
Required Courses (12 hrs)

- Cultural Heritage
- American Heritage, Anthropology, Environmental Tourism, or Latin cultural theme can be fulfilled by specialized areas in African American Studies, history, anthropology, and political science.

Additional fields considered for certification are hospitality management, African studies in Central Florida as well as tourism. The certificate complements several fields, including hospitality management, African American Studies, history, anthropology, and political science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin Cultural Heritage.

Credit Hour Requirements: 15 hrs

- Required Courses (12 hrs)
  - CLP 3143 Abnormal Psychology
  - CJE 4830 Serial Murder and the Criminal Justice System
  - CCJ 4690 Sex Offenders and the Criminal Justice System
  - CJT 4300 Criminal Investigation

- Restricted Upper Division Electives (3 hrs)
  - Select one of the following:
    - CJE 4661 Terrorism
    - CCJ 4195 Interviews and Interrogations in CJ

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,
HPA1 311

Dr. Mary Ann Eastep, 407 823-3598
meastep@mail.ucf.edu

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 15 hrs

- Required Courses (12 hrs)
  - CLP 3143 Abnormal Psychology
  - CJE 4830 Serial Murder and the Criminal Justice System
  - CCJ 4690 Sex Offenders and the Criminal Justice System
  - CCJ 4631 Criminal Profiling in Criminal Justice

- Restricted Upper Division Electives (3 hrs)
  - Select one of the following:
    - CJT 4300 Criminal Investigation
    - CCJ 4661 Terrorism
    - CCJ 4195 Interviews and Interrogations in CJ

Other Requirements

- A minimum GPA of 2.0 is required in courses used to satisfy the certificate.
- 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 certificate.

CULTURAL TOURISM: Certificate

Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info
Ils@mail.ucf.edu

Liberal 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 Cultural Heritage.

Credit Hour Requirements: 18 hrs

- Required Courses (12 hrs)
  - HFT 3540 Guest Service Management
  - HFT 3700 Tourism Management
  - HFT 4735 Tourism Geography
  - ANT 4438 Anthropology of Tourism
  - Choose two classes from 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

- Other Requirements

  - Minimum grade of "C" (2.0) is required in each course used to satisfy the certificate.
  - At least 12 hours used in the certificate must be earned at UCF.
  - No credit by exam (TSD, Military credit) may be used.
  - Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director.

DIGITAL MEDIA: Certificate

College of Arts and Humanities
CREAT Digital Media Program, 500 OTC
bowers@mail.ucf.edu

Program Director: Clint Bowers, 407-823-6100

Any course listed under the Advanced Specializations of the Digital Media major (substitutions must be approved by the program Director prior to being taken)

Entrance Requirement

- Admission to the Digital Arts Seminar requires evaluation of a portfolio of work which demonstrates the student's creativity and technical accomplishment is some artistic or technical domain.
- All evaluations are conducted by the program Curriculum Committee.

Credit Hour Requirements:

- Required Course: (5 hrs)
  - DIG 3525 Digital Media Production I

- Restricted Elective: (3 hrs)
  - IDS 4703 Digital Media Production II

- Senior Project: (6 hrs)
  - DIG 4524L Digital Media Production I
  - IDS 4703 Digital Media Production II
  - (may be repeated for credit)

Other Requirements

- A minimum grade of "C" (2.0) is required in each course used to satisfy the certificate.
- All courses used in the certificate must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can not be used toward the certificate without prior written permission.

FINANCE: Certificates*

College of Business Administration, BA 409
http://www.bus.ucf.edu/finance

Restricted to Finance majors

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements: 12-15 hrs

- Certificate in Banking (15 hrs)
  - FIN 4313 Management of Financial Institutions
  - FIN 4324 Commercial Bank Management
  - ACG 3131 Financial Accounting Concepts & Analysis

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.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director.
### Certificates

<table>
<thead>
<tr>
<th>Certificate in Corporate Finance</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3414 Intermediate Corporate Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3470 Financial Statement Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>*FIN 4424 Adv Topics in Financial Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>*FIN 4941 Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Certificate in Investments</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3504 Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4514 Portfolio Analysis and Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4533 Financial Derivatives</td>
<td>3 hrs</td>
</tr>
<tr>
<td>*FIN 4941 Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

*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 specialized areas of interest.*

**Internships must be approved internships in the area of specialization, and should be completed in the senior year after completing at least 6 hours of finance courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have an overall GPA of at least 2.75 to qualify for an internship.

### JAZZ STUDIES: Certificate

**College of Arts and Humanities
Department of Music, CNH 205**

[http://www.cas.ucf.edu/music/](http://www.cas.ucf.edu/music/)

K. Koons, 407-823-2869

Certificates will be awarded only at the time of degree completion. This certificate is designed for undergraduate students majoring in music who desire to devote time to specific coursework in each of these areas. This is only a component of the B.A. or B.M. Music degree, provided that the student works with an advisor in the program.

**Admission Requirement**

Student must satisfactorily audition for the Department of Music.

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>(13 hrs)</td>
<td></td>
</tr>
<tr>
<td>MUT 3170 Jazz Theory I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 3171 Jazz Theory II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 3641 Jazz Improvisation I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 3642 Jazz Improvisation II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUL 2016 Evolution of Jazz</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 4032 Independent Study in Jazz</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**

- Must complete all course and non-course requirements (recitals and proficiency examinations) of the Music major in order to qualify for the certificate within the degree.
- A minimum GPA of 2.0 is required in all music courses attempted, whether or not used to satisfy the certificate.
- At least 9 hours used in the certificate must be earned at UCF within the Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

### JUDAIC STUDIES: Certificate

**College of Arts and Humanities
Judaic Studies Program, CNH 201**

[http://www.cas.ucf.edu/judaic_studies](http://www.cas.ucf.edu/judaic_studies)

E-mail: judaicst@ucf.edu

Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The Program cooperates with the departments of English, Modern Languages, History, Philosophy, Political Science, and Sociology/Anthropology, and with the Liberal Studies and Women's Studies Programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses.

### Credit Hour Requirements

<table>
<thead>
<tr>
<th>Language</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 1110 Elementary Modern Hebrew Lang and Cult I</td>
<td></td>
</tr>
<tr>
<td>HBR 1121 Elementary Modern Hebrew Lang and Cult II</td>
<td></td>
</tr>
<tr>
<td>HBR 2200 Intermediate Modern Hebrew Language and Culture I</td>
<td></td>
</tr>
<tr>
<td>HBR 2201 Intermediate Modern Hebrew Language and Culture II</td>
<td></td>
</tr>
<tr>
<td>HBR 3410 Conversational Israeli Hebrew</td>
<td></td>
</tr>
</tbody>
</table>

**Jewish History**

- JST 3401 The Jewish People I
- JST 3402 The Jewish People II
- JST 3550 Introduction of Modernism into Judaism
- JST 3701 History of the Holocaust

**Bible**

- JST 3120 Jewish Scriptures
- JST 3125 The Book of Job
- JST 3126 Romantic Love in the Bible
- JST 3144 Dead Sea Scrolls

**Literature**

- JST 3100 The Hebrew Creative Mind
- JST 3751 Literature of the Holocaust

**Culture**

- JST 3450 Modern Jewish Experience
- JST 3820 Modern Hebrew Culture
- JST 3810 The Jewish National Movement

Other courses, including special topics, with the approval of the Director

**Other Requirements**

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### LANGUAGE DEVELOPMENT AND DISORDERS: Certificate

**College of Health and Public Affairs
Department of Communicative Disorders, HPA2, Suite 101**

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

UG Coordinator: Jamie Schwartz, 407-823-4798

Language disorders are the most prevalent communication disorder. Typically, children, adolescents, and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students and practitioners in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents, and adults. Certificates will be awarded only at the time of degree completion.

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 3716 Language Development: Birth through 8 years</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3717 Language Development: 9 through 18 years</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4711 Language Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4711L Language Analysis Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPA 4400 Language Disorders Across the Life Span</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 GPA of 2.0 in courses used to complete the certificate.
- At least 10 hours used in the program must be earned at UCF with the Department of Communicative Disorders.
- No credit by exam (TSD, Military credit) internship or independent study credit may be used toward the certificate.

### MARKETING: Certificates
Certificates

College of Business Administration
Department of Marketing, BA2 3075

*Restricted to Marketing majors

Certificates will be awarded only at the time of degree completion.

Certificate in Selling and Sales Management
MAR 3403 Sales Force Management (internship in sales-related position) 3 hrs
**MAR 4941 (internship in sales-related position) 3 hrs

Certificate in Retailing Management
MAR 4231 Retailing Management 3 hrs
**MAR 4941 (internship in retail-related position) 3 hrs

Certificate in e-Marketing
MAR 3880 e-Marketing 3 hrs
**MAR 4941 (internship in "e"-related position) 3 hrs

Certificate in Sport Marketing Management
MAR 4711 Sport Marketing 3 hrs
**MAR 4941 (internship in sport-related position) 3 hrs

Certificate in Healthcare Marketing
MAR 4712 Healthcare Marketing 3 hrs
**MAR 4941 (internship in healthcare-related position) 3 hrs

Certificate in Services Marketing
MAR 4841 Services Marketing 3 hrs
**MAR 4941 (internship in services-related position) 3 hrs

Certificate in Entertainment Marketing
MAR 4715 Entertainment Marketing 3 hrs
**MAR 4941 (internship in entertainment-related position) 3 hrs

Restrictive Elective Course (3 hrs)
Select one of the following:
- PAD 4144 Nonprofit Organizations
- PAD 4148 Volunteer Management
- PAD 4147 Resource Dev. in the Nonprofit Sector
- PAD 4325 Program Eval. Public & Nonprofit Org
- PAD 4153 Strategic Planning & Implementation

Restrictive Elective Course (3 hrs)
See advisor for approved courses.

REAL ESTATE: Certificates

College of Business Administration
Department of Finance, BA 409

Credit Hour Requirements 15 hrs
Certificates will be awarded only at the time of degree completion.

Certificate in Real Estate Brokerage
Completion of this certificate qualifies a student to sit for the Florida real estate
sales license)
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs
REE 4303 Real Estate Investing Analysis 3 hrs
MAR 3391 Professional Selling 3 hrs
**FIN 4941 Internship (real estate brokerage) 3 hrs

Certificate in Real Estate Appraisal
(Completion of this certificate qualifies a student to sit for the Florida real estate appraiser's license.)
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs
REE 4103 Real Estate Appraisal and Evaluation 3 hrs
MAR 3391 Professional Selling 3 hrs
**FIN 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
**FIN 4941 Internship (mortgage brokerage) 3 hrs

*Restricted to real estate majors. These certificates do not require additional hours beyond the BA and BSBA real estate major programs. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams.

**Internships must be paid internships in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest.

NONPROFIT MANAGEMENT: Certificate

College of Health & Public Affairs
Department of Public Administration, HPA 238
http://www.cohpa.ucf.edu/pubadm/

Dr. Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 18 hrs
Required Courses (15 hrs)
PAD 4144 Nonprofit Organizations 3 hrs
PAD 4148 Volunteer Management 3 hrs
PAD 4147 Resource Dev. in the Nonprofit Sector 3 hrs
PAD 4325 Program Eval. Public & Nonprofit Org 3 hrs
PAD 4153 Strategic Planning & Implementation 3 hrs

Restrictive Elective Course (3 hrs)
See advisor for approved courses.

SECURITY MANAGEMENT: Certificate

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, HPA 311
Jerome Randall, 407-823-2603
E-mail: jrandall@mail.ucf.edu

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 15 hrs
Required Courses (12 hrs)
CJT 3804 Security Administration 3 hrs
CJT 3803 Security Management 3 hrs
CJE 4843 Risk Management 3 hrs
CCJ 4644 White Collar Crime 3 hrs

Restricted Upper Division Electives (3 hrs)
Select one of the following:
CJE 4661 Conflict and Terrorism 3 hrs
CJE 3444 Crime Prevention 3 hrs
CJT 3842 Special Security Problems 3 hrs
PLAS937 Seminar in Contemporary Legal Problems 3 hrs
PLAS273 Law of Torts 3 hrs

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

SERVICE-LEARNING: Certificate

Office of Undergraduate Studies
Experiential Learning, PH 208
http://www.service.learning.ucf.edu

S. Dressler, 407-823-5000
email: EL@mail.ucf.edu

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of com-
Certificates

Community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. This certificate is open to all undergraduate and graduate students in any major.

Credit Hour Requirements 12 hrs
Students may choose any of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.

Course Requirements: 4 UCF-approved SL courses
Students may choose any four (4) of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.

Other Requirements
- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

TRANSLATION AND INTERPRETATION: Certificate

College of Arts and Humanities
Modern Languages and Literatures, CNH 505
http://www.cas.ucf.edu/forlang
foreignlanguage@ucf.edu
Maria Redmon, CNH 512, 407-823-5738
Email: mredmon@mail.ucf.edu

Credit Hour Requirements 18 hrs
Required Skills
Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Required Courses (12 hrs)
- SPT 3800 Span Translation and Interpretation 3 hrs
- SPT 3805 Span Trans & Interp for Mass Com 3 hrs
- SPT 3809 Medical Span Trans/Interp 3 hrs
- SPT 3831 Spanish Legal Trans/Interp 3 hrs

Restricted Upper Division Electives (6 hrs)
- SPN 3933 Spanish Across the Curriculum 3 hrs
- SPN 4941 Internship 3 hrs

Any upper division SPN or SPT course with advisor’s approval

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the Department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate.
- Satisfactory completion of translation and interpretation exit exam.

WOMEN’S STUDIES: Certificate

College of Arts and Humanities
Women’s Studies Program, CNH 201H
http://www.cas.ucf.edu/womensstudies
L. M. Logan, 407-823-6502.
email: womensst@ucf.edu

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is open to both degree-seeking and non degree-seeking students, but should be particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.
International Studies and Programs

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

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

The OIS mission is to promote, support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through: faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

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

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

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

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

Study Abroad Programs

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

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

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the criteria for UCF courses and can be delivered as complete modules, or as a supplement to a course delivered on campus or online. Examples of short term programs that UCF has offered in the past include the Department of Foreign Languages’ intensive programs in France, Japan, Germany, Spain and Italy; Social Work Department programs in South Africa and Russia; Criminal Justice in Barbados and Russia; Nursing in Sweden, Education in the Netherlands, Hospitality in France, and Art in Scotland.

Student Exchanges provide the opportunity to become a student at a university abroad for one semester or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Some of the exchanges that have been offered at UCF are Qingdao University in China; Universite de Angers and Paul Sabatier in France; Meikai University in Japan; University of Lima in Peru; the universities of Lund, Jonkopings, Mallardalen, and Dalarna in Sweden; and University College Northampton in the United Kingdom.

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

There are many additional study abroad options available to UCF students. It is important that students investigate their choices, the requirements and the implications that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit www.international.ucf.edu, or contact the office at 407-882-2300.
## ECONOMICS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A./M.S.)

College of Business Administration  
Department of Economics  
Email: robertp@mail.ucf.edu, BA 303B  
407-823-2640

### Admission Guidelines
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College  
- See Common Program Prerequisites  
- 3.25 GPA after completion of 80 credit hours  
- 1260 SAT or 28 ACT desired. If students do not meet this criterion, they must submit a GRE or GMAT score  
- Apply to the program in the fifth semester of classes. Admission is not automatic. Interested students will need to submit an essay and must be interviewed.

### Degree Requirements

#### 1. UCF General Education Program (36 hrs)
- A. Communication Foundations 9 hrs  
  - Required: SPC 1600  
- B. Cultural and Historical Foundations 9 hrs  
- C. Mathematical Foundations 3 hrs  
  - Select MAC 1105 College Algebra 3 hrs  
  - Select CGI 2100CC Computer Fundamentals for Business 3 hrs  
- D. Social Foundations 3 hrs  
  - 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 (3 hrs)
- ECO 2013 Principles of Microeconomics  
- ECO 2023 Principles of Macroeconomics  
  * See transfer notes for possible substitutions

#### 3. Required Undergraduate Major Courses (15 hrs)
- ECO 3101 Intermediate Microeconomics 3 hrs  
- ECO 3203 Intermediate Macroeconomics 3 hrs  
- ECO 3401 Quantitative Business Tools I 3 hrs  
- ECO 3411 Quantitative Business Tools II 3 hrs  
- ECO 4451 Research Methods in Economics 3 hrs

#### 4. Restricted Elective (3 hrs)
- Select any 3000-4000 level economics elective  
  Other than those required

#### 5. Courses shared BA/MS (15 hrs)
- ECO 6403 Mathematical Economics 3 hrs  
- ECO 6118 Microeconomic Theory I 3 hrs  
- ECO 6206 Macroeconomics Theory I 3 hrs  
- ECO 6424 Econometrics I 3 hrs  
- ECO 6XXX Economics Elective 3 hrs  
  * 15 hours can count towards both BA and MS

#### 6. Required Minor (18 hrs)
- Completion of a minor in one of the following:  
  - Computer Science, History, Mathematics, Statistics, Political Science, Psychology, or Sociology.

#### 7. Program Exit Requirements
- A minimum grade of 3.0 is required for all graduate courses.  
- A minimum GPA of 2.5 is required for all courses taken in the major and minor.  
- Computer Competence is met by Research Methods course.

#### 8. Foreign Language (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)

- Total Semester Hours Required (B.A.) 120 hrs
- 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

### Transfer Notes:
- Grades below “C” (2.0) are not accepted.  
- Courses taken at community college do not substitute for Upper Division courses.  
- Courses transferred from private and out-of-state schools must be equivalency credit. The student must provide all supporting information.

### Acceptable substitutes for Common Program Prerequisites if taken prior to transferring to UCF:
- ECO 2013 and ECO 2023 are prerequisites for subsequent economics courses and will need to be taken.

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**ECONOMICS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.B.A./M.S.)**

College of Business Administration  
BA 101, 407-823-2184  
http://www.bus.ucf.edu/economics  
Email: robertp@mail.ucf.edu, BA 303B  
407-823-2640

### Admission Guidelines
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College  
- See Common Program Prerequisites  
- 3.25 GPA after completion of 80 credit hours  
- 1260 SAT or 28 ACT desired. If students do not meet this criterion, they must submit a GRE or GMAT score

### Total Semester Hours Required (B.A.) 120 hrs
- 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded.  
- 48 semester hours of upper division credit completed.  
- 30 of the last 36 hours of course work must be completed in residency at UCF.  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credit permitted.  
- Completed the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

### 11. Courses taken toward MS (9 hrs)
- Six to nine additional hours of 6000 level economics electives.  
- A maximum of three hours of an approved non-economic elective may substitute for an economics elective. Select from disciplines such as accounting, finance, management, marketing, mathematics, statistics, public administration, health sciences, political science, computer science, and environmental engineering.

### Total Semester Hours (BA/MS) 135 hrs
- The baccalaureate degree will be awarded when program requirements for the BA are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MS will be awarded on completion of the total program of study.

The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs  
- Undergraduate students taking 6000 level courses must be within nine hours of graduation  
- Undergraduate students taking 6000 level courses must not register for more than a total of twelve hours in that semester

### Transfer Notes:
- Grades below “C” (2.0) are not accepted.  
- Courses taken at community college do not substitute for Upper Division courses.  
- Courses transferred from private and out-of-state schools must be equivalency credit. The student must provide all supporting information.

### Acceptable substitutes for Common Program Prerequisites if taken prior to transferring to UCF:
- ECO 2013 and ECO 2023 are prerequisites for subsequent economics courses and will need to be taken.
Accelerated Undergraduate-Graduate Programs

Purpose of this degree - This program allows highly qualified undergraduate majors in history to begin taking graduate-level coursework which count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in five instead of six years for students enrolled in full-time course work.

Admission Requirements

- Students apply for admission to the accelerated program at the end of their junior year or after 12 hours of upper-level history course work
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History department
- Students will be formally admitted to the master’s program following receipt of the BA degree

Undergraduate Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a 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 coordinator
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000- level courses to meet this requirement.
- Students must compile a portfolio of their written work in history completed inside and outside the classroom
- The B.A. will be awarded after completion of 36 hours of history classes
- The M.A. will be awarded upon completion of the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements)

Graduate Degree Requirements

- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses
- Students need to pay fees at the graduate rate for the graduate courses they take
- Schedule for students enrolled full-time in the accelerated program:
  - Students complete nine hours of graduate-level courses their senior year
  - Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
  - Students enroll in nine hours of graduate-level courses in both
Accelerated Undergraduate-Graduate Programs

- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first MA year
- Students complete and defend a master's thesis in six hours

**Undergraduate Requirements**

1. **UCF General Education Program** *(36 hrs)*
   (See the History major in this catalog for track specific GEP requirements)

2. **Common Program Prerequisites** *(0 hrs)*
   - AMH 2010* U. S. History: 1492-1877
   - AMH 2020* U. S. History: 1877-Present
   *(See Transfer Notes for possible substitutes)*

3. **Core Requirements** *(9 hrs)*
   - HIS 4150 History & Historians
   - Select one sequence
     - EUH 2000, 2001 Western Civilization I & II
     - WOH 2012, 2022 World Civilization I & II
   *(Must be taken within the History Department)*

4. **Upper Division Restricted Electives** *(21 hrs)*
   - Select six hours of approved history courses within three of the four geographic regions
     - 1. Asian, African, and Middle Eastern
     - 2. British and European
     - 3. Latin American
     - 4. U.S. and Canadian
   *(Must be taken within the History Department)*

5. **Departmental Exit Requirements**
   - Maintain a minimum GPA of 3.5 in upper division required courses attempted
   - Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers
   - Students must complete at least 18 of the required 36 history hours at UCF
   - Computer competency met by completion of the major

6. **Foreign Language Requirements** *(0-8 hrs)*
   **Admission:** Met by graduation requirement

   **Graduation:** Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

7. **Electives** *(variable)*
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. **University Minimum Exit Requirements - BA**
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

   **Total Semester Hours Required** 120 hours

**Overall History MA Requirements** *(36 hrs)*

- Nine hours of graduate work are earned in the senior year, in consultation with the history graduate coordinator.

1. **Required Graduate Courses** *(12 hrs)*
   - HIS 6159 Historiography
   - HIS 6905 Capstone Course
   - HIS 6971 Thesis

2. **Courses in Area of Concentration** *(18 hrs)*
   Assumes that nine additional hours of graduate courses were taken during the senior year.

   (Eastern Hemisphere: African, Asian, European, or Middle Eastern; or Western Hemisphere: Caribbean, North American, or South American)

3. **Outside Area of Concentration in History** *(6 hrs)*

4. **Foreign Language Requirement**
   Students will also be expected to demonstrate reading competency in one foreign language. The foreign language competence must be completed one semester prior to the thesis defense.

5. **Examination Requirements**
   Each candidate for the M.A. in History must pass written examinations in two fields upon conclusion of regular course work and before beginning a thesis. These examinations must be taken and passed as part of the requirements for the Capstone course. Each student will also submit a thesis prospectus and preliminary bibliography, which the three members of the student’s thesis committee judge acceptable as the preliminary step to beginning the thesis.

   **Minimum Hours Required for M.A. - 36 Semester Hours (nine hours of which also count toward the B.A. degree)**

   **Related Programs:** Humanities

   **Related Minors:** African-American Studies, American Studies, Asian Studies, History, Humanities, Judaic Studies, Latin American Area Studies, Middle Eastern Studies, Women’s Studies

   **Transfer Notes:**
   - Courses taken at community colleges do not substitute for upper division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

   **Acceptable Substitutes** for common program prerequisites if taken prior to transferring to UCF:
   - AMH 2010* & 2020*: may use any two introductory courses with an AMH, EUH, LAH, ASH, HIS or WOH prefix. However AMH 2010 and 2020 are prerequisites for all subsequent American History courses and will need to be taken for the major.
LIBERAL STUDIES ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM
(B.A./B.S. AND M.A./M.S.)
Office of Undergraduate Studies
Office of Liberal & Interdisciplinary Studies
http://liberals.studies.info
Liberal Studies Advising Team, 407-823-0144
E-mail: ls@mail.ucf.edu
The accelerated Program allows outstanding Liberal Studies students to earn a B.A. or B.S. degree and a M.A./M.S. degree in as few as five years. Students earn nine hours of graduate credit toward the M.A./M.S. while still an undergraduate, and then earn an additional twenty-four credits after earning the B.A. or B.S. degree.
Students majoring in any of the Liberal Studies tracks may apply for the program. This unique course of study requires close advising with program advisors, and approval by the M.A./M.S. in Liberal Studies program.

Admission Requirements
Acceptance to the university does not constitute admission to the accelerated program. An additional application to the program must be submitted and the student accepted. Contact the Liberal Studies program for application materials. All applicants must meet the following criteria:
- A GPA of 3.25 or higher at UCF in their last 30 upper level credit hours before applying in the second semester of their junior year.
- At least 75 credit hours earned by time of application and 30 upper level credit hours by the end of the application semester.
- Decision about admission to the program will depend partially on the grades earned in the application semester if the 30 upper level (or 75 overall) credits were not earned previously.
- A GRE score of 1050 or above in the verbal and quantitative sections combined (usually taken in the second semester of the junior year).

Undergraduate Degree Requirements
Undergraduate degree requirements vary by track, and each track’s requirements must be checked carefully in the appropriate Liberal Studies degree section.
- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared a Liberal Studies major at least one semester before graduation
- Independent study forms must be approved by the director prior to taking an independent study for use in the Liberal Studies areas. Non-approved independent studies will not be counted towards the major
- Students must earn at least a “C” (2.0) in each restricted elective course
- Students must consult with a Liberal Studies advisor in order to prepare an application
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- No courses can count in more than one subject area or in a subject area and a minor
- Students wishing to earn a Liberal Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

Graduate Degree Requirements
The accelerated Program involves a minimum of 144 credits for completion of both the B.A./B.S. and M.A./M.S. degrees.
- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students take nine graduate credit hours during their senior year which substitute for 3000- or 4000-level courses as part of the program requirements.
- Students pay graduate tuition and fees for the nine graduate credit hours.
- All requirements of the undergraduate and graduate degree programs must be fulfilled.
- Students should consult with the Liberal Studies advisor before applying for the program.
- Approval for course substitutions and for graduate courses must be given by the Liberal Studies advisors.
- The B.A./B.S. will be awarded after completing all the requirements for that degree in the undergraduate program.

1. UCF General Education Program (36 hrs)
(See Liberal Studies sections of the catalog for track-specific GEP requirements)

2. Common Program Prerequisites: none

3. Track Requirements
Students complete the requirements of the program based on the track option in Liberal Arts, Liberal Studies, Computer Information Technology, Environmental Studies, or Women’s Studies. See the description in the Liberal Studies sections for full information about each track.

4. Program Exit Requirements
Liberal Studies, Environmental Studies, and Women’s Studies tracks
- A grade of “C” or above (2.0) is required for each course taken in each of the subject areas
- Computer Competency met by CGS 1060C, STA 1060C, or other computer-related course, or departmental assessment in the minor and CIT track
- A grade of “C” or above (2.0) is required for each course taken in the minor and in the subject area.
- Computer Competency met by minor.

5. Foreign Language Requirements (0-8 hrs)
Admission-BA: Met by graduation requirement.
Admission-BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Graduation-BA: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
Graduation-BS: Proficiency equivalent to one semester of college
Accelerated Undergraduate-Graduate Programs

Instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies, or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

Note: Students entering without having met the admission requirement must do so in order to graduate

6. Electives (variable)
Select primarily from upper level courses, with departmental advisor's approval.

7. University Minimum Exit Requirements - B.A./B.S.
   - 2.0 UCF GPA.
   - 60 semester hours earned after CLEP awarded.
   - 48 semester hours of upper division credit completed.
   - 30 of the last 36 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable).

Total Semester Hours Required - B.A./B.S. 120 hours
   (including nine graduate credits when completing the 3+2 program).

Overall Liberal Studies M.A./M.S. Requirements (33 hrs)*
   * Nine hours of graduate work are earned in the senior year, in consultation with the M.A./M.S. in Liberal Studies program director.
   (Please see the Graduate Catalog for specific requirements)

Core courses (9 hrs)
   - IDS 6308 Ways of Knowing 3 hrs
   - IDS 6669 Interdisciplinary Approaches to Research 3 hrs
   - IDS 6351 Critical Thinking and Writing 3 hrs

Concentration (18 hrs)
More than 40 concentrations and certificate affiliation programs are part of the M.A./M.S. in Liberal Studies degree. See the graduate catalog for additional information.

Options (6 hrs)
   - Thesis Option
     Directed Readings 3 hrs
     Thesis 3 hrs
     Thesis defense
   - Non-thesis Option
     Two approved graduate courses 6 hrs
     Comprehensive exam

Total Hours Required - B.A./B.S. + M.A./M.S. 144 hours

Transfer Notes:
   - Grades below “C” (2.0) are not accepted.
   - Courses taken at community colleges do not substitute for Upper Division courses.
   - Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.

Molecular Biology and Microbiology-UCF/USF Accelerated Medical School Program (B.S.)
Burnett College of Biomedical Sciences
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu
Dean: P.E. Kolattukudy

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

Admission Requirements
Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include FL residency, unweighted high school GPA of 3.7 and SAT score of 1300 or ACT of 29. More information about the admission process can be found at http://www.honors.ucf.edu and in catalog: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Degree Requirements
   - Students who change degree programs and select this major must adopt the most current catalog
   - Students should consult with a departmental advisor and the Burnett Honors College advisor
   - Students who decelerate will not have grades below C- (1.75) in life science courses accepted

1. UFC General Education Program (36+3 hrs)
   (Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.)
   - A. Communication Foundations 9 hrs
     Select ENC 1101H Honors Fr Composition I 9 hrs
     Select ENC 1102H Honors Fr Composition II 9 hrs
     Prefer SPC1016 H Honors Fund. Tech Presentations 9 hrs
   - B. Cultural Historical Foundations 9 hrs
   - C. Mathematical Foundations 9 hrs
     Select MAC 2311 9 hrs
     Select STA 2023 9 hrs
   - D. Social Foundations 6 hrs
   - E. Science Foundations 6 hrs
     Select BSC 2010C Biology I 6 hrs
     Select CHM 2045C Chemistry Fundamentals I 6 hrs

2. Common Program Prerequisites (16 hrs)
   - BSC 2010C Biology I GEP
   - BSC 2011C Biology II GEP
   - CHM 2045C, 2046. Chemistry Fundamentals I, II 4 hrs
   - CHM 2210, 2211, Organic Chemistry I, II 8 hrs
   - MAC 2311 Calculus with Analytical Geometry I GEP

3. Core Requirements* (36 hrs)
   - Life Sciences
     MCB 3020C General Microbiology 5 hrs
     MCB 4912 Undergraduate Research 3 hrs
     MCB 4941 Internship Clinical Experience 1 hr
     PCB 4229 Molecular Immunology 3 hrs
     PCB 3233L Immunology Lab 1 hr
     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
   - Math, Calculus and Statistics
     MAC 2311 Calculus with Analytical Geometry I GEP
     STA 2023 Statistical Methods I GEP
   - Physics**
     PHY 2053C, 2054C College Physics I, II 8 hrs
     or PHY 2048, PHY 2049C

4. Upper Division Restricted Electives (8 hrs)**
Five restricted electives satisfied by first year medical school courses.
   - PCB 3703C Human Physiology 4 hrs
   - ZOO 3733C Human Anatomy 4 hrs

5. Additional USF/UCF Requirements (7 hrs)
   - IDH 1921H Honors Symposium 1 hr
   - ENCG241J/ENCG241H Writing for the Tech Professional 3 hrs
   - PHI 4633H or Honors Ethics and Biological Science 3 hrs
   - PAF 5753H Honors Ethics Issues in Health & Public Affairs 3 hrs

*Students must select at least two honors sections of upper division core requirements or restricted electives, and a total of four lower division courses in honors.

**Students decelerating to the 4 year B.S. program must take the following additional courses:
   - MCB 4414 Microbial Metabolism 3 hrs
   - 4 additional Upper Division Restricted Electives listed under Molecular Biology and P20Microbiology B.S.(minimum) 11 hrs

5. Departmental Exit Requirements
To be eligible for a major in Molecular Biology and Microbiology:
- For decelerated program, the student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of
Accelerated Undergraduate-Graduate Programs

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 Health and Public Affairs
HPA 220, 407-823-2744
E-mail: ucfnurse@mail.ucf.edu
Undergraduate Coordinator: Patricia Leli

Admission Requirements

Acceptance to the university does not constitute admission to the upper division nursing program.

Separate application to the limited access accelerated second degree bachelor of science in nursing (BSN) option must be made directly to the School of Nursing prior to January 15 of the year admission is sought.

Application to the University must also be submitted by the program deadline.

Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office. Students should complete the regular undergraduate admission application.

Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.

Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.

Three science prerequisite courses must be completed prior to application to the program.

All applicants must have a minimum overall GPA of 2.80, and complete all program prerequisite courses with a grade of “C” (2.0) or better.

All applicants must complete an accelerated second degree program interview in association with a mandatory information session.

Graduates are eligible to apply to take the licensing examination for registered nurses (NCLEX). The program is accredited by the National League for Nursing and the Commission of Collegiate Nursing Education and approved by the Florida State Board of Nursing.

Nursing Accelerated Second Degree Program begins in Summer Semester.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students should consult with a School of Nursing advisor for clarification of questions regarding prerequisite requirements that cannot be answered by college advisors.

A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program.

UCF Residency requirement: 30 hours (if applicable).

Any variation from the stated prerequisite must be approved in writing by the School of Nursing. Petition forms are available in the School of Nursing office.

1. UCF General Education Program

2. Common Program Prerequisites

3. Core Requirements
### Accelerated Undergraduate-Graduate Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4525</td>
<td>Nursing Intervention in Mental Illness</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4525L</td>
<td>Clinical Practice w/ Mentally Ill Client</td>
<td>1</td>
</tr>
<tr>
<td>NUR 4639</td>
<td>Accel Comm Continuum</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4639L</td>
<td>Clinical Pract in Comm.-Orient Nsg</td>
<td>2</td>
</tr>
<tr>
<td>NUR 4745</td>
<td>Nursing Care of Clients w/ Acute Ill</td>
<td>4</td>
</tr>
<tr>
<td>NUR 4745L</td>
<td>Clinical Practice in Acute Ill</td>
<td>4</td>
</tr>
<tr>
<td>NUR 4829</td>
<td>Accel Trans Leader</td>
<td>3</td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Directed Nursing Practice</td>
<td>4</td>
</tr>
<tr>
<td>NUR 4955L</td>
<td>Nursing Elective</td>
<td>3     **</td>
</tr>
</tbody>
</table>

* Students without a research course on transcript must take NUR 3165
** Students may petition to waive elective requirement. Some Directed Nursing Practice (NUR 4945L) placements require an elective as a concurrent course.

### 4. Upper Division Restricted Electives (3 hrs)

Nursing Elective:
May not be required. However, some NUR 4945L placements do require an elective be taken concurrently.

### 5. Department Continuation and Exit Requirements

Completion of all courses in major with a grade of “C” (2.0) or better
- UCF GPA of 2.5 or above
- School of Nursing GPA of 2.5 or above

### 6. Electives

None

### 7. Foreign Language requirements

- Admission: none
- Graduation: none

### 8. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF

### Total Semester Hours Required for 2nd Degree BSN

53 hrs

### Related Programs

Health Services Administration, Social Work, all health programs

### Related Minors

Aging Studies, Psychology, Health Sciences, Health Services Administration

### Transfer Notes:

Examples of Community College Equivalent Courses for

### Prerequisites

- General Psychology (PSY X012) or any General Psychology course
- General Sociology (SYG 2000) or any Intro to Sociology course
- Statistics (STA 2014C or 2023) or any Statistics course
- General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab)*
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course
- Human Nutrition with Therapeutic Nutrition course

* The first semester of a two semester general chemistry course does not meet requirement.

### Note:

A grade of "C" (2.0) or better is required in all prerequisite courses.

### Honors

- University Honors and Honors in the Major Available

### Tentative Course Schedule

#### First Semester

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer 13 hrs</td>
<td>NUR 3625</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Fall 14 hrs</td>
<td>NUR 3128</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>
UCF Residency Requirement: 30 hours
The BSN is awarded after completion of 60 hours including specified program requirements
The MSN is awarded after program completion
The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

BSN Curriculum Changes for the RN to MSN Option:
- An individualized plan of study is developed for each student admitted to the RN to MSN option.
- Students take NUR 4836, Professional Development Seminar, to meet the requirements of NUR 4084, Transitional Concepts of Nursing II and NUR 3165, Critical Inquiry.
- Students take NGR 5800, Nursing Theory
- Students pursuing the MSN in the Nursing Leadership and Management Track may take the following courses:
  - NUR 4838L, Directed Practice in Nursing Administration for NUR 4812, Directed Nursing Practice
  - NGR 5720, Organizational Dynamics for NUR 4827, Leadership and Management Principles
  - NGR 5871, Health Care Informatics
  - NGR/HSA XXXX, Graduate elective in area of concentration (e.g., nursing, health services administration for nursing elective)
- Students pursuing the MSN in the Nurse Practitioner or Clinical Nurse Specialist tracks may take the following courses:
  - NGR 5003 and NGR 5004L, Advanced Health Assessment, Health Promotion and Diagnostic Reasoning (for NUR 4812C)
  - NGR 5141, Pathophysiology
  - NGR XXXX, Graduate elective in area of concentration

1. UCF General Education Program (36 hrs)
   A. Communication Foundations
      1. ENC 1101 & ENC 1102
      2. Select SPC 1600C - 9 hrs
   B. Cultural Historical Foundations
      1. Select MAC 1105
      2. Select STA 2014C
   C. Mathematical Foundations
      1. Select SYG 2000 or PSY 2012
      2. Select one: ECO 2013, or ECO 2023, or POS 2041
   D. Social Foundations
      1. Select SYG 2000 or PSY 2012
      2. Select one: ECO 2013, or ECO 2023, or POS 2041
   E. Science Foundations:
      Select BSC 2010C
      Select CHM 1032

2. Common Program Prerequisites 21 hrs
   - PSY 2012, General Psychology** - GEP
   - SYG 2000, Sociology** - 3 hrs
   - MCB 2004C, Health Microbiology - 4 hrs
   - CHM 1032L, General Chemistry and lab** - GEP
   - ZOO 3733C, Human Anatomy* - 4 hrs
   - PCB 3703C, Human Physiology - 4 hrs
   - STA 2014C or 2023 Principles of Statistics** - GEP
   - SOW204 or Assessing Human Development or - 3 hrs
   - DEP 2004, Developmental Psychology
   - HUN 3011, Human Nutrition

*May take Anatomy and Physiology sequence of six-eight total credits.
**Also meets General Education Requirements.
Applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements
   Courses vary by specific program tracks. Consult program advisor.

4. Upper Division Restricted Elective  none

5. Departmental Exit Requirements
   Completion of all courses in major with a grade of “B” (3.0) or better
   - UCF GPA of 2.5 or above
   - School of Nursing GPA of 2.5 or above

6. Electives  none

7. Foreign Language Requirements (0-8 hrs)
   Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).
   Graduation: none

8. University Minimum Exit Requirements
   (For students exiting after earning BSN.)
   - A 2.0 UCF GPA and 2.5 Nursing Major GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required BSN 120 hours

Related Programs: Health Services Administration, all health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

4945L) placements require an elective as a concurrent course.
The University offers nine specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in one of the following nine programs: Applied Science, Criminal Justice, Electrical Engineering Technology, Business Administration, Hospitality Management, Computer Engineering Technology - Network Specialization, Liberal Studies, Nursing, and Radiologic Technology. Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:
1. Students must graduate with the specific program and new A.S. in Fall 2000 or later. (Fall 2003 for criminal justice and computer engineering technology) from a Florida public community college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The new community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community college and then transfer into the appropriate non-A.S. to B.S. program at UCF.
3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.
4. Students should write on the front of their application for admission to UCF, "A.S. to B.A./B.S." designating their desire to participate in the articulation agreement.
5. UCF will allow students to complete the UCF required General Education courses at their community college while they are enrolled and working on their degree at UCF. However, students cannot be transient in their last 30 hours at UCF.
6. Students with Associate in Applied Science (AAS) degrees are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access programs in Nursing and Radiologic Sciences or programs that require specific grades in particular courses for admission.

Students should consult with their community college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites. Students are still required to complete all of the components of the Gordon Rule and CLAST prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division coursework. 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.

### ARTICULATED A.S. TO B.S. PROGRAMS

### APPLIED SCIENCE (B.A.S.)

**A.S. to B.A.S.**

(Completion Program for individuals who have a statewide articulated A.S. from a Florida public community college)

**Office of Undergraduate Studies**

**Regional Campuses Administrative Offices**

12201 Research Parkway, Suite 101

407-823-4547


**Program Advisor:** Judy Boyte; 407-317-7816

The Bachelor of Applied Science provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. The program is only available on UCF’s Cocoa, Daytona Beach, MetroWest and Sanford/Lake Mary campuses. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making.

Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. If students wish to take an upper division course at the Orlando campus they should see a Regional Campuses’ academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-1509.

**Admission Requirements**

Completion of an A.S. degree from a Florida public community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

**Degree Requirements**

Students who change degree programs and select this major must adopt the most current catalog

Students should maintain contact with an academic advisor

#### 1. UCF General Education Program

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites

**None**

#### 3. Required Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal &amp; Ethical Environment for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3250</td>
<td>Professional Writing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 4. Area of Concentration (Choose one)

**A. Supervision and Administration Track:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INF 3004</td>
<td>Industrial/Organizational Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>Management Information Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3814</td>
<td>Essentials of Human Resource</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GEB 3815</td>
<td>Employee Training for Non-business Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 3082</td>
<td>Accounting for Non-business majors</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B. Industrial Operations Track:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETI 3116</td>
<td>Applied Quality Assurance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETI 3671</td>
<td>Technical Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETI 4186</td>
<td>Applied Reliability</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETI 4635</td>
<td>Technical Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETI 4640</td>
<td>Operations Management for Technologists</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETI 4448</td>
<td>Applied Project Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 3010</td>
<td>Introduction to Information Technology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**NOTE:** At the time the catalog went to press, tracks in Legal Studies, Criminal Justice and Hospitality Management were under review. Consult the program office for additional details.

**5. Modern Language Requirement**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

**Admission Requirements**

Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation:**

None
University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 42 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required: 120 hrs

Transfer Notes.
- UCF will allow students to complete required UCF General Education courses at the community college while they are enrolled and working on their degree at UCF; however, students cannot be transient in their last 30 hours at UCF.
- 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

CRIMINAL JUSTICE (B.S.)
A.S. to B.S. TRACK
(Completion program for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Health and Public Affairs
HPA 1311 407-823-2603
http://www.cohip.ucf.edu/crim.jus/
Undergraduate Program Coordinator: Dr. Mary Ann Eastep
e-mail: cjadvice@mail.ucf.edu

Admission Requirements
Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- The courses designated in section 1 below may be taken at a Florida Community College
- Students must earn a minimum 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (36 hrs)
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
     - Communication Foundations
     - Cultural Historical Foundations
     - Mathematical Foundations
     - Social Foundations
     - Science Foundations

2. Common Program Prerequisites
   - Completed as part of the approved A.S. program

3. Core Requirements (18 hrs)
   - CCJ 3024 Criminal Justice System
   - CCJ 3014 Crime in America
   - CJI 3510 Prosecution and Adjudication
   - CJC 3010 Corrections and Penology
   - CJE 4014 Police and Society
   - CCJ 4701 Research Methods in Criminal Justice

4. Upper Division Restricted Electives (30 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 internships 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.

5. Upper Division Unrestricted Electives
   - Freedom none

6. Departmental Exit Requirements (130 hrs)
   - Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice.
   - Graduation: none

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.

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.

ELECTRICAL ENGINEERING TECHNOLOGY (BSEET)
A.S. to B.S.E.E.T. CONCENTRATION
(Completion program for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207
Coordinator: Alireza Rahrooh
407-823-4749, Fax: 407-823-4746
E-mail: rahrooh@pegasus.cc.ucf.edu
Web Address: http://www.ent.ucf.edu

Admission Requirements
Completion of a Statewide Articulated A.S. in Electrical Engineering Technology from a Florida public community college which is composed of 64 hours of course work, including at least 22 hours of transferable General Education courses.

Degree Requirements
- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of “C” (2.0) or better is required in all prerequisites and
Articulated A.S. To B.S. Programs

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 3 hrs
   E. Science Foundations 3 hrs
      1. Select PHY 2048 or PHY 2053C
   Note: See PHY component under Section 2.

2. Common Program Prerequisites (CPP) (4-5 hrs)
   (C or better grades are required in all courses)
   MAC 2311 or MAC 2253 or equivalent
   PHY 2048 and PHY 2048L 1 hr, GEP
   or PHY 2053C

3. Engineering Technology Core Requirements (18 hrs)
   (C or better grades are required in all courses.)
   CET 3198C Digital Systems 3 hrs
   CET 3503 Microcomputer Technology I 3 hrs
   CET 4134C Digital Programmable Devices 3 hrs
   EET 3716 Network Analysis 3 hrs
   EET 4548 Power Systems 3 hrs
   EET 4732C Feedback Control Systems 3 hrs

4. Upper Level Required Courses (21 hrs)
   (C or better grades are required in all courses)
   CET 3144C Applied Microprocessor Technology 3 hrs
   CET 4134C Digital Programmable Devices 3 hrs
   CET 4333 Computer Organization & Design 3 hrs
   EET 4329C Communication Systems 3 hrs
   EET 4359C Digital Communications 4 hrs
   MAC 2253 Applied Calc I or equivalent
   PHY 2048/L can substitute for PHY 2053C

5. Upper Level Technical Electives (6 hrs)
   (C or better grades are required in all courses)
   Select six hours from the following:
   CET 3144C Applied Microprocessor Technology 3 hrs
   CET 4134C Digital Programmable Devices 3 hrs
   CET 4333 Computer Organization & Design 3 hrs
   EET 4329C Communication Systems 3 hrs
   EET 4359C Digital Communications 4 hrs

6. Departmental Exit Requirement (3 hrs)
   ETG 4950C Senior Design Project 3 hrs
   A grade of 2.0 or better is required in all prerequisites.

7. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or
   one year of one foreign language in college (or equivalent proficiency
   exam) prior to graduation.
   Graduation: none

8. University Minimum Graduation Requirements
   • A 2.0 UCF GPA
   • 60 semester hours earned after any CLEP award
   • 48 semester hours of upper division credit completed
   • 30 of the last 36 hours of course work must be completed in res-
     idence 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 meet have thereby satisfied UCF GEP require-
  ments.
• ENT Departmental Residency Requirements consist of at least
  33 semester hours of regularly-scheduled 3000 or 4000 level
courses taken from the UCF ENT Department.

   • PHY 2048/L can substitute for PHY 2053C.

Junior Year
Fall 12/13 hrs Spring 16 hrs
MAC 2253 Applied Calc I or 3/4 PHY 2064C/2049 w/lab 4
MAC 2311 Calc w/Anal Geom I 3
ETG 3541 Applied Mechanics 3
dET 3611 Tech Econ Analysis 3
CET 3198C Digital Systems 3
SPC 1600 Oral Communications 3
ETI 4635 Technical Administration 3
PHY 2053C/2048 Physics I 4
EET 3716 Network Analysis 3

Summer 10 hrs
ETI 3116 Appl Eng Quality Assur 3
BSC 1005L or BSC 1050L Biology 4
Cultural/Historical Foundation 3

Senior Year
Fall 13 hrs Spring 12 hrs
EET 4548 Power Systems 3
EET 4134C Linear Int Cir 3
EET 4950C Sr Design Project 3
MAC 2312, 2254 or MAP 3401 4
EET 4272 Photonics Sensor 3

Summer 9 hrs
ETI 4333 Comp Org & Design 3
CET 4134C Digital Program Devices 3
CET 4134C Microprocessor Elec II 3

GENERAL BUSINESS (B.S.B.A.)
A.S. to B.S. TRACK
(Completion program for individuals who have a statewide articulated
A.S. in business administration from a Florida public community
college)

College of Business Administration
BA 240, 407-823-2184
http://www.bus.ucf.edu
Faculty Advisor: B. Moore, BA 325, 407-823-5256

Admission Requirements
Completion of a Statewide Articulated A.S. in Business
Administration from a Florida public community college which is
composed of 64 hours of course work, including at least 24 hours of
transferable General Education courses.

Degree Requirements
1. UCF General Education Program (12 hrs)
   Students will complete 12 hours of selected General Education courses. The specif-
   ic courses will be determined in coordination with General Education courses com-
   pleted as part of the articulated A.S. and may come from the following areas:
   A. Communication Foundations - Required SPC 1600
   B. Cultural and Historical Foundations
   C. Mathematical Foundations
   D. Social Foundations
   E. Science Foundation

2. Common Program Prerequisites
   Must be completed with a “C” (2.0) or better.
   ACG 2021 Principles of Financial Accounting
   ACG 2071 Principles of Managerial Accounting
   ECO 2013 Macroeconomics
   ECO 2023 Microeconomics
   MAC 2233 Concepts of Calculus
   STA 2023 Statistical Methods
   CGS 2100CC Computer Fundamentals for Business

3. Required for All Business Majors (30 hrs)
   First or subsequent semester in the College of Business Administration:
   GEB 3031, Cornerstone (Required in 1st or 2nd semester) 5 hrs
   GEB 3356 Introduction to International Business 3 hrs
   BUL 3130 Legal & Ethical Environments of Business 3 hrs
   ECO 3411 Quantitative Business Tools II 3 hrs
   FIN 3403 Business Finance 3 hrs
   MAN 3025 Management of Organizations 3 hrs
   ISM 3011 Essentials of Management Information Systems 3 hrs
   MAR 3023 Marketing 3 hrs
   Last Semester:
   MAN 4720 Strategic Management 3 hrs

4. Special college and/or department requirements:
Articulated A.S. To B.S. Programs

- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisite 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.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied toward the major.

5. Second Level Core (5 courses):
- Students must take one course from each of the following areas: Accounting (must take ACG 3131), Economics (must take ECP 4703), Finance, Management, and Marketing. These five courses are restricted to the courses listed below:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Number</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>ACG 3101</td>
<td>Intermediate Accounting I</td>
</tr>
<tr>
<td>Economics</td>
<td>ECP 4703</td>
<td>Managerial Economics</td>
</tr>
<tr>
<td>Finance</td>
<td>FIN 3303</td>
<td>Financial Markets</td>
</tr>
<tr>
<td></td>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance</td>
</tr>
<tr>
<td>Management</td>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior</td>
</tr>
<tr>
<td>Marketing</td>
<td>MAR 4156</td>
<td>International Marketing</td>
</tr>
<tr>
<td></td>
<td>MAR 4841</td>
<td>Service Marketing</td>
</tr>
<tr>
<td></td>
<td>MAR 3613</td>
<td>Marketing Research and Analysis</td>
</tr>
<tr>
<td></td>
<td>MAR 3403</td>
<td>Sales Force Management</td>
</tr>
</tbody>
</table>

6. 4000 Level Requirement:
- At least two of the second level courses must be at the 4000 level.

7. A.S. Transfer Classes
- Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

8. Foreign Language Requirements (0-8 hrs)
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation: none

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives*** (variable)
- Must be outside the College of Business

Total Semester Hours Required 132 hours

Community College Transfer Notes
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Macroeconomics, Calculus, Statistics, and a computer fundamentals for business class. At UCF Business, students who have completed the calculus and statistics class will be waived from Business Quantitative Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisite class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF.
- A minimum of 12 semester hours must be completed at UCF within each individual major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

***General electives as required to reach 132 semester hours.

HOSPITALITY MANAGEMENT (B.S.)
A.S. to B.S. TRACK
(Completion program for individuals who have a statewide articulated A.S. from a Florida public community college)

Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, Florida 32819
407-903-8000
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dean: Abraham Pizam

Admission Requirements
- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses.

Degree Requirements
1. UCF General Education Program (GEP) (18 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
  A. Communication Foundations
  B. Cultural and Historical Foundations
  C. Mathematical Foundations
  D. Social Foundations
  E. Science Foundation

2. Common Program Prerequisites (3 hrs)
- HFT 1000 Introduction to Hospitality Management 3 hrs

3. Hospitality Management Core (27 hrs)
- CGS 2100CC Computer Fundamentals of Business (GEP)
- or STA 2023 Statistical Methods I (GEP)
- ECO 2054 Macroeconomics (GEP)
- or ECO 2023 Microeconomics (GEP)
- MAC 1105 College Algebra (GEP)
- HFT 3540 Guest Services Management 3 hrs
- HFT 3431 Hospitality Managerial Accounting 3 hrs
- HFT 4295 Leadership and Strg Mgmt in Hospitality Industry 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4462 Hospitality Industry Finance 3 hrs
- HFT 4941 Internship II 1 hr
- HFT 4944 Internship III 1 hr
- HFT 3933 Distinguished Lectures in Hosp. Mgt. 1 hr

Select 3 of the following 4 courses to complete the core
- HFT 3700 Tourism Management 3 hrs
- HFT 3261 Restaurant Management 3 hrs
- HFT 3273 Principles of Resort Time Sharing 3 hrs
- HFT 4755 Theme Park and Attraction Mgmt 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)
Students must take 15 credit hours of Hospitality Management courses from the following list for the Generalist track. Alternatively, students may choose one of the six specialized career tracks as outlined below.

### A. Generalist Track

Choose five advanced courses from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3513</td>
<td>Hospitality Plant Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning &amp; Design</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4298</td>
<td>Hospitality Business Consulting</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4773</td>
<td>Hotel Development Analysis</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3705</td>
<td>Management of Gaming Enterprises</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3807</td>
<td>Multi-Unit Food Service Organizations</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4861</td>
<td>Beverage Management</td>
<td>3</td>
</tr>
<tr>
<td>FSS 4124</td>
<td>Supply and Procurement Management</td>
<td>3</td>
</tr>
<tr>
<td>FSS 4135</td>
<td>Corporate Contract &amp; Managed Services Orgs</td>
<td>3</td>
</tr>
<tr>
<td>FSS 3232</td>
<td>Intermediate Techniques of Food Production</td>
<td>3</td>
</tr>
<tr>
<td>FSS 4268C</td>
<td>Catering and Banquet Organization</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4753</td>
<td>Convention &amp; Conference Services</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit &amp; Trade Show Operations</td>
<td>3</td>
</tr>
<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 4275</td>
<td>Development of Vacation Ownership Resorts</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3741</td>
<td>Meeting Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3757</td>
<td>Event Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4266</td>
<td>Restaurant Brand Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4268</td>
<td>Case Studies in Restaurant Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4844</td>
<td>Sanitation Mgt in Foodservice Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4274</td>
<td>Vacation Ownership Resort Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4522</td>
<td>Vacation Ownership Resort Sales Tactics and Strategies</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4442</td>
<td>Vacation Ownership Resort Reservations/ Data Base Systems</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4758</td>
<td>Contemporary Issues in the Theme Park and Attraction Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in Theme Parks and Attractions Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4269</td>
<td>Case Studies in Multi-Unit Restaurant Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4453</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</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>Hotel Operations</td>
<td>3</td>
</tr>
<tr>
<td>FSS 3608</td>
<td>Culture and Cuisine</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3784</td>
<td>Amusement Technology</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3802</td>
<td>Catering Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3707</td>
<td>Cruise Line Operations and Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3574</td>
<td>Food Service Marketing Advertising and Promotion Management</td>
<td>3</td>
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<tr>
<td>HFT 3654</td>
<td>Franchising in the Restaurant Management</td>
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<tr>
<td>HFT 3610</td>
<td>Law and Restaurant Management</td>
<td>3</td>
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<tr>
<td>HFT 3374</td>
<td>Multi Media Applications in Exhibitions</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3834</td>
<td>Topics in Restaurant and Foodservice Mgt</td>
<td>3</td>
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<tr>
<td>HFT 4375</td>
<td>Advanced Trade Show Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4864</td>
<td>Anheuser Busch Seminar in Quality</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4425</td>
<td>Financial Analysis for Restaurant Managers</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in Theme Park and Attractions</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
<td>3</td>
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<tr>
<td>HFT 4645</td>
<td>Restaurant Real Estate, Site Selection and Modeling</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4277</td>
<td>Yacht, Country, and City Club Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3285</td>
<td>International Restaurant Corporate Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4311</td>
<td>Convention and Conference Sales</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3515</td>
<td>Reservations Sales &amp; Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4284</td>
<td>Training and Performance in the Food Svc Ind</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4666C</td>
<td>Exploring Wines of the World</td>
<td>3</td>
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<tr>
<td>HFT 3688</td>
<td>History of Wine and Culture</td>
<td>3</td>
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<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3</td>
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<tr>
<td>HFT 3512</td>
<td>Event Promotion</td>
<td>3</td>
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<tr>
<td>HFT 3760</td>
<td>Hospitality and Event Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3785</td>
<td>Management of Gaming Enterprises</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3792</td>
<td>Event Design and Production</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>Fairs and Festivals</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4298</td>
<td>Advanced Hotel Development</td>
<td>3</td>
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<tr>
<td>HFT 4298</td>
<td>Hospitality Business Consulting</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4561</td>
<td>Destination Marketing</td>
<td>3</td>
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<tr>
<td>HFT 4791</td>
<td>Event Management II</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4796</td>
<td>International Events</td>
<td>3</td>
</tr>
</tbody>
</table>

### B. Event Management Track – Choose 5 Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4753</td>
<td>Convention and Conferences Services</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit &amp; Trade Show Operations</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3802</td>
<td>Catering Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3741</td>
<td>Meeting Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3767</td>
<td>Event Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3511</td>
<td>Convention and Conference Sales</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4375</td>
<td>Advanced Trade Show Management</td>
<td>3</td>
</tr>
</tbody>
</table>

### C. Vacation Ownership Resort Management Track (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4275</td>
<td>Development of Vacation Ownership Resorts</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4274</td>
<td>Vacation Ownership Resort Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4522</td>
<td>Vacation Ownership Resort Sales Tactics and Strategies</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4442</td>
<td>Vacation Ownership Resort Reservations/ Data Base Systems</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning &amp; Design</td>
<td>3</td>
</tr>
</tbody>
</table>

### D. Theme Park and Attraction Mgmt Track – Choose 5 Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in Theme Parks and Attractions</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4758</td>
<td>Contemporary Issues in the Theme Park and Attraction Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in Theme Parks and Attractions Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3515</td>
<td>Reservations Sales &amp; Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

### E. Tourism Management Track (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit 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 4754</td>
<td>Exhibit &amp; Trade Show Operations</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3757</td>
<td>Event Management</td>
<td>3</td>
</tr>
</tbody>
</table>

### F. Lodging Management Track (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3513</td>
<td>Hospitality Physical Plant Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4343</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>

### G. Hospitality Financial Management and Technology (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit 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 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4413</td>
<td>Technology Applications for Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4735</td>
<td>Tourism Geography</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
- 36 of the last 36 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable)

### 8. Electives (variable)

- 500 hours of supervised work experience
Total Semester Hours Required: 124 hours

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 2403 at UCF.
- Florida public community college students are encouraged to complete the General Education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.
- The College may allow substitutions for Hospitality classes taken at the community college. Students should check with the Rosen College of Hospitality Management College for approval of substitutions.

INFORMATION SYSTEMS TECHNOLOGY (B.S.)

A.S. to B.S. TRACK
(Completion program for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Engineering and Computer Science
Engineering Technology (ENT) Department
ENGR 207
Coordinator: Bahman Motlagh
407-823-4748 Fax: 407-823-4746
http://www.ent.ucf.edu

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 2.0 UCF GPA

1. UCF General Education Program
   (36 hrs)
   A. Communication Foundations
      9 hrs
      (nine hours completed in AS degree program)
   B. Cultural and Historical Foundations
      9 hrs
      (3 hrs taken in AS degree program)
   C. Mathematical Foundations
      6 hrs
      (completed in AS degree program)
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Lower Level Required Courses Taken at Community College
   (33 hrs)

3. Information Systems Technology Core Courses
   (26 hrs or better grade required in all courses)
   ETI 3651C Computer Applications
   CET 3010 Intro to Info Technology
   STA 2023 Statistical Methods
   ETI 4448 Applied Proj Mgmt
   ENC 3241 Writing for the Technical Professional
   EET 3085C Electricity & Electronics
   CET 3323C Digital Technology
   CET 2364 Systems Applications in C

4. Required Technical Courses
   (21 hrs or better grade required in all courses)
   CET 4427 Applied Database
   CET 3383 Applied Systems Analysis
   CET 4505 Applied Operating Systems
   CET 3752 Intro to Telephony
   CET 4483 Intro to Local Area Network
   CET 4333 Computer Organization & Design
   CET 4748 Wide Area Networks

5. Technical Electives
   (C or better grade required in all courses)
   Choose four from the following:
   CET 3198C Digital Systems
   CET 4138C Digital Programmable Devices
   CET 4931 Current Topics in Technology
   CET 4749 Wide Area Network II
   MAP 3401 Problem Analysis
   CET 4532 Applied Systems Analysis II
   CET 4429 Applied Database II
   CET 4583 Web Base Systems I
   CET 4584 Web Base Systems II
   CET 4663 Computer & Networks Security
   STA 5537 Data Mining

6. Departmental Exit Requirements
   none

7. Foreign Language Requirements
   (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation:
   none

8. Approved Technical Electives
   Students should consult with the ENT Department for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

9. University Minimum Graduation Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after any CLEP award
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - 25% of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 128 hrs

Related Programs: Security Computing and Networks
Related Minors: none

Transfer Notes:
- Students transferring from any Florida public institution with an AA degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Students entering a UCF undergraduate program and having a previously earned baccalaureate degree from an accredited institution have thereby satisfied UCF GEP requirements. (See also the section on the GEP found elsewhere in this catalog.)
- Courses taken from Community Colleges do not substitute for Upper Division Courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information to the ENT Department for this evaluation.
- ENT Departmental Residency Requirements consist of at least 32 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.

Tentative Course Schedule for Transferring Students
The tentative course schedule listed below is a guide for those students who plan on completing their upper division engineering technology degree requirements in two years. Many students choose to spread out these requirements over a longer period of time. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Junior Year
Fall
14 hrs
CET 3085C Elect & Electronics
CET 3323C Digital Tech
CET 3010 Intro to Info Tech
CET 2364 Systems Apps in C
Spring
12 hrs
EET 3085C Local Area Network
ETI 3651C Computer Appl
CET 3 Tech Elective
STA 2023

Total Semester Hours Required: 128 hrs

UCF
Articulated A.S. To B.S. Programs

Summer
9 hrs
CET 4333 Comp Org & Design 3
ENC 3241 Tech Rep & Writing 3
ETI 4448 Applied Prog Mgmt 3

Senior Year
Fall
12 hrs
CET 4505 Appl Oper Sys I 3  Tech Elective 3
CET 4427 Appl Database I 3  CET 4483 Intro to Local Area Net 3
CET 3752 Intro to Telephony 3  Tech Elective 3
CET 4748 Wide Area Networks I 3  Tech Elective 3

Spring
12 hrs
CET 4505 Appl Oper Sys I 3  Tech Elective 3
CET 4427 Appl Database I 3  CET 4483 Intro to Local Area Net 3
CET 3752 Intro to Telephony 3  Tech Elective 3
CET 4748 Wide Area Networks I 3  Tech Elective 3

LIBERAL STUDIES (B.S.)
A.S. TO B.S. TRACK

(Completion program for individuals who have a statewide articulated A.S. from a Florida public community college)

Office of Undergraduate Studies
Office of Liberal and Interdisciplinary Studies
CL-I, Room 302; http://liberalstudies.info

The program is administered through the Office of Liberal and Interdisciplinary Studies in the Office of Undergraduate Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students.

Admission Requirements
Completion of an A.S. degree from a Florida public community college that is composed of (at least) 60 credit hours of course work, including at least 18 hours of transferable general education courses.

Degree Requirements
- Students who change degree program and select this major must adopt the most current catalog
- Students must have declared a Liberal Studies major at least one semester before graduation
- Co-op or internship credit cannot be used in this major
- Independent study forms must be approved by the director prior to taking an independent study for use in the Liberal Studies areas
- Non-approved independent studies will not be counted towards the major. No independent studies from outside UCF can be used.
- Students must earn at least a “C” (2.0) in each restricted elective course
- Students must consult with a Liberal Studies advisor to enter the program
- No courses can count in more than one subject area or in a subject area and a minor
- Students wishing to earn a Liberal Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degrees (s) and/or major(s), including any minors associated with that degree
- Students must complete a minimum of 60 credit hours at UCF (including up to 18 hours to complete the GEP, 18 upper level hours in one area of restricted electives, and 30 upper level credits in a minor and elective hours)

1. UCF General Education Program (GEP) (18 hrs)
Students will complete 18 hours of selected General Education courses at UCF. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
- Communication Foundations
- Cultural and Historical Foundations
- Mathematical Foundations
- Social Foundations
- Science Foundation

2. Common Program Prerequisites
   none

3. Restricted Electives (36 hrs)
   - Students must complete one subject area concentration of eighteen upper-level credit hours from among those specified below
   - Students must have sufficient work in the community college for a second subject area concentration of eighteen credit hours as determined by the Liberal Studies office
   - Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by a Liberal Studies advisor and not simply when they appear on a student's audit
   - Students are required to take a minimum of 18 UCF hours, as well as 18 upper-division hours, in the two areas combined
   - See the Liberal Studies Advising Team for details regarding each area:
     - Commerce
     - Computer Science
     - Education
     - Engineering
     - Health and Biomedical Sciences
     - Natural Sciences
     - Public Affairs*

4. Required Minor (18 hrs min)
   Students must complete a minor from those offered at UCF that qualify in the B.S. area. A list of these minors is available in the Liberal Studies office as part of the A.S. to B.S. degree advising sheet. The minor cannot overlap with the two subject areas. The minimum number of credit hours for a minor is eighteen at the upper level. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

5. Program Exit Requirements
   A grade of "C" or above (2.0) is required for each course taken in each of the subject areas, including those at the community college
   - Computer competency met by CGS 1060C, STA 1060C, or other computer-related courses, or departmental assessment

6. Foreign language Requirements
   Admission-BS: Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation -BS: Proficiency equivalent to one semester of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies, or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement. Note: Students entering without having met the admission requirements must do so in order to graduate.

7. Electives (variable)
   Select from upper level courses, with Liberal Studies advisor’s approval.

8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours

Related Programs: Computer Information Technology Track, Liberal Arts Track, Environmental Studies Track, Women’s Studies Track
Related Minors: most UCF minors

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.
NURSING (B.S.N.)

E. A.S. TO B.S.N. TRACK
(Completion program for individuals who have a statewide articulated A.S. Nursing degree from a Florida public community college)

College of Health and Public Affairs
HPA 220, 407-823-2744
http://www.cohpa.ucf.edu/nursing/

Undergraduate Program Director: Linda Hennig
E-mail: ucfnurse@mail.ucf.edu

Admission Requirements - Limited Access
Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the School of Nursing. All applicants must have:

- A minimum overall GPA of 2.5
- Completion of a Statewide Articulated A.S. in Nursing from a Florida public community college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later)
- Current RN License or license eligible

Degree Requirements
- Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better
- Students should consult with a School of Nursing advisor for clarification of questions regarding prerequisite requirements which cannot be answered by college advisors
- The courses designated in sections 1 and 2 below may be taken at a Florida community college or other universities and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the Nursing Major are required for continuation in and graduation from the Nursing Program
- UCF Residency Requirement: 32 hours

1. UCF General Education Program (18 hrs)
   Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with 18 hours of General Education courses completed as part of the articulated A.S.
   Student must complete all General Education and foreign language admissions requirements prior to NUR 4084. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

UCF General Education Program
(36 hrs)
A. Communication Foundations
   1. ENC 1101 & ENC 1102
   2. Prefer SPH 1660

B. Cultural Historical Foundations
   1. Select MAC 1105
   2. Select STA 2104C

C. Mathematical Foundations
   1. Select SYG 2000
   2. ECO 2103, ECO 2023 or POS 2041

D. Social Foundations
   1. Select SYG 2000
   2. ECO 2103, ECO 2023 or POS 2041

E. Science Foundations:
   1. BSC 2010C – General Biology
   2. CHM 1132 & CHM1132L – General Chemistry & Lab
   3. OR Anatomy & Physiology I & II
   4. OR ZOO 3733C & PCB 3703C, Human Anatomy & Physiology

2. Common Program Prerequisites (21 hrs)
   PSY 2012 General Psychology**
   SYG 2000 Sociology**
   MCB 2004C Health Microbiology
   CHM 1132L General Chemistry and Lab**
   ZOO 3733C Human Anatomy*
   PCB 3703C Human Physiology*
   STA 2014C Principles of Statistics**
   or 2023 Statistical Methods I
   SOW 3104 Assessing Human Development or
   or DEP 2004 Developmental Psychology
   HUN 301L Human Nutrition

*May take Anatomy and Physiology sequence of six-eight total credits.
**Also meets General Education Requirements.

See a UCF Nursing advisor for possible course substitutions.

Articulated A.S To B.S. Programs

3. Core Requirements (55 hrs)
   NUR 3805 Transitional Concepts in Nursing I 3 hrs
   NUR 3065L Health Assessment 2 hrs
   NUR 3065L Health Assessment Lab 1 hr
   NUR 3165 Nursing Research/Critical Inquiry 3 hrs
   NUR 4084 Transitional Concepts in Nursing II 3 hrs
   NUR 4636 Community as Continuum of Care 3 hrs
   NUR 4636L Clin Pract in Comm-Oriented Nursing 2 hrs
   NUR 4827 Leadership and Management Principles 3 hrs
   NUR 4837 Health Care Issues, Policy, & Econ 3 hrs
   NUR 4812 Directed Nursing Practice 4 hrs
   Validation Credit 28 hrs

4. Restricted Elective (3 hrs)
   NUR XXXX Any Nursing Elective 3 hrs

5. Departmental Exit Requirements
   Completion of all courses in major with a grade of "C" (2.0) or better
   - UCF GPA of 2.5 or above
   - School of Nursing GPA of 2.5 or above

6. Electives 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 and a 2.5 Nursing Major GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, and the CLAST (or exemption)

Total Semester Hours Required 128 hours

Related Programs: Health Services Administration, Social Work, all health programs

Related Minor: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Progression requirements:
Prior to NUR 3805:
- RN status or eligible to take NCLEX.
- Prior to NUR 3165:
  Complete NUR 3805 and Statistics course with grade of "C" (2.0) or better

Prior to NUR 4084:
- Be admitted to the Nursing program
- Complete General Education requirements from a Florida state community college or university (SUS)
- Complete CLAST (or exemption)
- Complete foreign language admission requirement

RADIOLOGIC SCIENCES (B.S.)

A.S. TO B.S. TRACK
(Completion program for individuals who have a statewide articulated A.S. from a Florida public community college)

College of Health and Public Affairs
HPA 210, 407-823-2747
Undergraduate Program Director: Thomas Edwards
E-mail: tedwards@mail.ucf.edu
http://www.cohpa.ucf.edu/health/pro/rtadtransfer.cfm

Admission Requirements - Limited Access
Acceptance to the university does not necessarily constitute admission to the upper division Radiologic Sciences Program. Separate application to the limited access program must be made directly to the program.

- Criminal history information (background check) must be submitted. For Florida residents the criminal history must be certified by the Florida Department of Law Enforcement (FDLE).
- A personal interview is also required.
- Student must complete a Statewide Articulated A.S. in Radiography
program from a Florida public community college that is composed of a minimum of 62 hours of course work, including at least 15 hours of transferable General Education courses. Students certified in radiography and in good standing with the American Registry of Radiologic Technologists (ARRT) who have not completed a Statewide Articulated A.S. in Radiography program from a Florida Public Community College may apply for admission but are not eligible to transfer to UCF under the provisions of the statewide articulation agreement.

- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).
- Students must be certified in radiography and be in good standing with the American Registry of Radiologic Technologists (ARRT).

Degree Requirements

- Students should consult with a departmental advisor.
- Many of the courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program.
- UCF residency requirement for Radiography: 33 hours

1. UCF General Education Program (21 + 1 hrs)
   A. Communication Foundations 6 hrs
      Select ENC 1102 and SPC 1600 or SPC 1016
   B. Cultural Historical Foundations 6 hrs
      Select ENC 1101 and SPC 1600 or SPC 1016
   C. Mathematical Foundations 0 hrs
      MAC 1105 (Completed at CC)
   D. Social Foundations 3 hrs
      Select ECO 2013 or ECO 2023 or POS 2041
   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 CC
   PCB 3703C Human Physiology* CC
   PHY 2053C College Physics I UCF GEP
   PHY 2054C College Physics II 4 hrs
   ZOO 3733C Human Anatomy* CC
   MAC 1105 College Algebra CC
   CC courses completed as part of the approved A.S. program GEP and core courses with the exception of PHY 2053C and 2054C.
   * See Transfer Notes

3. Core Requirements (33 hrs)
   A.S. transfer students will not be required to complete all of the core courses listed below. Specific core course requirements will be based on allowable course transfers and career goals.

   Junior Level
   RTE 3000 Introduction to Radiologic Sciences 3 hrs
   RTE 3111C Introduction to Patient Care 2 hrs
   RTE 3503C Radiographic Procedures I 3 hrs
   RTE 3116 Advanced Patient Care 3 hrs
   RTE 3418C Principles of Radiographic Exposure I 3 hrs
   RTE 3930 ST: Clinical Education I 2 hrs
   RTE 3513C Radiographic Procedures II 3 hrs
   RTE 3457C Principles of Radiographic Exposure II 3 hrs
   RTE 3684C Physics of Image Production 2 hrs
   RTE 3308 Medical Physics 3 hrs
   STA 2023 Statistical Methods I 3 hrs
   HSC 4550 Pathophysiologic Mechanisms 3 hrs
   RTE 3930 ST: Clinical Education II 4 hrs

   Senior Level
   RTE 4563 Special Radiographic Procedures 2 hrs
   RTE 4782 Pathophysiology 2 hrs
   RTE 4932 ST: Clinical Education III 5 hrs
   RTE 4573 Advanced Imaging Modalities 3 hrs
   RTE 4XXX Computed Tomography Protocols or 1 hr
   RTE 4XXX Mag Resonance Imaging Protocols 1 hr
   RTE 4932 ST: Clinical Education IV 6 hrs
   RTE 4385 Radiobiology 1 hr
   RTE 4932 ST: Clinical Education V - A 2 hrs
   RTE 4932 ST: Clinical Education V - B 4 hrs
   RTE 4473 Quality Improvement 3 hrs
   RTE 4762 Anatomy for the Medical Imager 3 hrs
   RTE 4206 Leadership in Radiologic Sciences 3 hrs
   RTE 4932 ST: Advanced Clinical Practicum 4 hrs

   Core course requirements will include PHY 2054C. Additional core course requirements will be determined during advisement.

5. Program Exit Requirements (124 hrs)
   A minimum overall GPA of 2.50 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Radiologic Sciences Program.

6. Electives none

7. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation: none

8. 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)
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. This common numbering system is used by all public postsecondary institutions in Florida and by participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course details."

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a survey course in social problems is offered by 35 different postsecondary institutions. Each institution uses "SYG_010" to identify its social problems course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "SYG" means "Sociology, General," the century digit "0" represents "Entry-level General Sociology," the decade digit "1" represents "Survey Course," and the unit digit "0" represents "Social Problems."

In science and other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, SYG 1010 is offered at a community college. The same course is offered at a state university as SYG 1010. A student who has successfully completed SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 1010 at the state university if the student transfers. The student cannot be required to take SYG 2010 again since SYG 1010 is equivalent to SYG 2010. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution:

Courses in the x900-x999 series (e.g., ART 2905)
- Internships, practica, clinical experiences, and study abroad courses
- Performance or studio courses in Art, Dance, Theater, and Music Skills courses in Criminal Justice
- Graduate courses
- Courses not offered by the receiving institution
- For courses at non-regionally accredited institutions, courses offered prior to the transfer date of the course

College preparatory and vocational preparatory course may not be used to meet degree requirements and are not transferable.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Dr. David Dees, Assistant Dean of Undergraduate Studies, Academic Services, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or SunCom 205-0427.
## Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
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<tbody>
<tr>
<td>SYG</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
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Sociology/General level: Entry-level General institution Survey Course Social Problems No laboratory component in this class

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
<th>Credits</th>
<th>Requirements</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABE</td>
<td>Agricultural and Biological Engineering</td>
<td>CEG Civil Geotechnical Engineering</td>
<td></td>
<td>Education: Elementary</td>
<td></td>
</tr>
<tr>
<td>ABD</td>
<td>Arabic in Translation</td>
<td>CEN Civil Engineering Structures</td>
<td></td>
<td>Education: General</td>
<td></td>
</tr>
<tr>
<td>ACG</td>
<td>Accounting: General</td>
<td>CES Civil Engineering Structures</td>
<td></td>
<td>Education: General</td>
<td></td>
</tr>
<tr>
<td>ACO</td>
<td>Accounting: Occupational/Technical Variable Paced</td>
<td>CEG Computer Engineering Technology</td>
<td></td>
<td>Education: Higher</td>
<td></td>
</tr>
<tr>
<td>ACR</td>
<td>HVACR: Heating/Ventilation/AC/Refrigeration</td>
<td>CEG Computer Engineering Technology</td>
<td></td>
<td>Education: Middle School</td>
<td></td>
</tr>
<tr>
<td>ADE</td>
<td>Adult Education</td>
<td>CHD Home Economics: Child Development</td>
<td></td>
<td>Education: Early Childhood</td>
<td></td>
</tr>
<tr>
<td>ADV</td>
<td>Advertising</td>
<td>CHI Chinese Literature</td>
<td></td>
<td>Education: Early Childhood</td>
<td></td>
</tr>
<tr>
<td>AEB</td>
<td>Agricultural Economics and Business</td>
<td>CHM Chemistry</td>
<td></td>
<td>Education: Early Childhood</td>
<td></td>
</tr>
<tr>
<td>AEE</td>
<td>Agriculture and Extension Education</td>
<td>CHR Chiropractic</td>
<td></td>
<td>Engineering: Electrical</td>
<td></td>
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<tr>
<td>AER</td>
<td>Automotive Mechanics</td>
<td>CHS Chemistry</td>
<td></td>
<td>Electrical/Electronic Repair</td>
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<td>AFA</td>
<td>Afro-American Studies</td>
<td>CHT Chinese Literature</td>
<td></td>
<td>Environmental Em-Related Areas</td>
<td></td>
</tr>
<tr>
<td>AFR</td>
<td>Aerospace Studies</td>
<td>CHW Chinese Literature</td>
<td></td>
<td>Environmental Em-Related Areas</td>
<td></td>
</tr>
<tr>
<td>AFR</td>
<td>Aerospace Studies</td>
<td>CIS Computer Science Information System</td>
<td></td>
<td>Electronic/Environmental Technology</td>
<td></td>
</tr>
<tr>
<td>ACO</td>
<td>Australian Studies</td>
<td>CJB College Level Application in Criminal Justice</td>
<td></td>
<td>Education: Exceptional Child- Core Competencies</td>
<td></td>
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<tr>
<td>AGE</td>
<td>Agricultural Engineering</td>
<td>CJC Corrections</td>
<td></td>
<td>Counseling Education</td>
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<td>AGG</td>
<td>Agriculture General</td>
<td>CJG Criminal Justice Development</td>
<td></td>
<td>Education: Gifted</td>
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<tr>
<td>AGS</td>
<td>Agronomy</td>
<td>CJH Law Enforcement</td>
<td></td>
<td>Engineering: Science</td>
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<tr>
<td>AKG</td>
<td>Akan</td>
<td>CKJ Juvenile Justice</td>
<td></td>
<td>Engineering: General</td>
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<td>ALS</td>
<td>Agriculture and Life Sciences</td>
<td>CKJ Criminal Justice Basic Training (A.A.S or Vocational)</td>
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<td>Engineering: Support</td>
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<td>AML</td>
<td>American History</td>
<td>CCL Law and Process</td>
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<td>Education: Hard of Hearing &amp; Deal</td>
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<td>AMS</td>
<td>American Literature</td>
<td>CTT Criminal Justice Techniques</td>
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<td>Education: Industrial Arts</td>
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<td>Aviation Maintenance Technology</td>
<td>CLK Classical and Ancient Studies</td>
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<td>EEA Education: Industrial Arts</td>
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<td>ANG</td>
<td>Anthropology-Graduate</td>
<td>CLT Classical Literature in Translation</td>
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<td>EED Education: Specific Learning Disabilities</td>
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<td>ANS</td>
<td>Anthropology</td>
<td>CMC Corporate Media Communication</td>
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<td>ELE Electrical Laboratories and Related Areas</td>
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<td>ANU</td>
<td>Anthropology</td>
<td>CNT Computer Networks</td>
<td></td>
<td>EMA Materials Engineering</td>
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<td>AOM</td>
<td>Agricultural Operations Management</td>
<td>COA Home Economics: Consumer Affairs</td>
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<td>EMC Engineering: Mechanical &amp; Chemical</td>
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<tr>
<td>APA</td>
<td>Applied Accounting</td>
<td>COE Cooperative Education</td>
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<td>EME Education: Technology and Media</td>
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<td>Applied Biology</td>
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<td>EML Engineering: Mechanical</td>
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<td>Arabic Language</td>
<td>COP Computer Programming</td>
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<td>Education: Mental Retardation</td>
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<td>ARC</td>
<td>Architecture</td>
<td>COS Cosmetology</td>
<td></td>
<td>EMR Education: Industrial Arts</td>
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<tr>
<td>ARD</td>
<td>Architectural Design</td>
<td>CRT Computer Theory</td>
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<td>EMS Electrical Engineering</td>
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<td>ARE</td>
<td>Art Education</td>
<td>CPO Comparative Politics</td>
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<td>ENG Engineering: General</td>
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<tr>
<td>ARH</td>
<td>Art History</td>
<td>CPS Comparative Policy Studies (Multinational)</td>
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<td>ENS English Language Education: Non-Native Speakers</td>
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<tr>
<td>ARR</td>
<td>Autobody Repair and Refinishing</td>
<td>CPT Cardiopulmonary Disease</td>
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<td>ENS English Language Education: Non-Native Speakers</td>
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<tr>
<td>ART</td>
<td>Art</td>
<td>CRW Creative Writing</td>
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<td>ENS English Language Education: Non-Native Speakers</td>
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<tr>
<td>ARV</td>
<td>Art, &quot;Vocational&quot;</td>
<td>CSP Cosmetology</td>
<td></td>
<td>ENU Engineering: Nuclear</td>
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<tr>
<td>ASC</td>
<td>Aviation Science: General</td>
<td>CST Comparative Studies</td>
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<td>ENU Engineering: Nuclear</td>
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<td>Animal Science: General</td>
<td>CTE Home Economics: Clothing and Textiles</td>
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<td>ENY Entomology</td>
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<td>ASH</td>
<td>Animal Science: Animal Science</td>
<td>CTS Computer Technology</td>
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<td>ENY Entomology</td>
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<td>ASN</td>
<td>Asian Studies</td>
<td>CVT Cardiovascular Technology</td>
<td></td>
<td>EOC Oceanic Engineering</td>
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<tr>
<td>AST</td>
<td>Astronomy</td>
<td>CWR Civil Water Resources</td>
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<td>EOC Oceanic Engineering</td>
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<td>Animal Science Technology</td>
<td>CYP Community Psychology</td>
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<td>ATE</td>
<td>Animal Science Technology</td>
<td>CYP Community Psychology</td>
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<td>ATF</td>
<td>Aviation Technology: Flight</td>
<td>CZE Czech Language</td>
<td></td>
<td>ESI Industrial Systems Engineering</td>
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<tr>
<td>ATT</td>
<td>Aviation Technology: Theory</td>
<td>CZW Czech Literature (Writings)</td>
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<td>ESL College Education: English for</td>
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<tr>
<td>AVH</td>
<td>Aviation Management</td>
<td>DAA Dance, Emphasis on Activity</td>
<td></td>
<td>EST Electronic Technology</td>
<td></td>
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<td>AVI</td>
<td>Avionics</td>
<td>DAE Dance Education</td>
<td></td>
<td>ETR Engineering: Special Technology</td>
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<tr>
<td>AVM</td>
<td>Aviation</td>
<td>DAN Dance Education</td>
<td></td>
<td>ETR Engineering: Special Technology</td>
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<tr>
<td>AVE</td>
<td>Aymara Language</td>
<td>DAS Data Science</td>
<td></td>
<td>EVH European History</td>
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<tr>
<td>BAN</td>
<td>Commercial Banking</td>
<td>DAS Data Science</td>
<td></td>
<td>EVH European History</td>
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<tr>
<td>BCA</td>
<td>Building Construction Apprenticeships</td>
<td>DAS Data Science</td>
<td></td>
<td>EVH European History</td>
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<tr>
<td>BCC</td>
<td>Basic Clinical Clerkships (Required)</td>
<td>DAS Data Science</td>
<td></td>
<td>EVH European History</td>
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<tr>
<td>BCS</td>
<td>Biochemistry (Biophysics)</td>
<td>DEH Dental Hygiene</td>
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<td>FAD Home Economics: Family Development</td>
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<tr>
<td>BCA</td>
<td>Building Construction</td>
<td>DEM Demography</td>
<td></td>
<td>FAD Home Economics: Family Development</td>
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<tr>
<td>BCO</td>
<td>Building Construction: Vocational</td>
<td>DEN Dentistry</td>
<td></td>
<td>FAD Home Economics: Family Development</td>
<td></td>
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<tr>
<td>BME</td>
<td>Biomedical Engineering</td>
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<td>EAD Education: Vocational/Technical</td>
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<tr>
<td>BMS</td>
<td>Basic Medical Sciences</td>
<td>DIE Dietetics</td>
<td></td>
<td>EAD Education: Vocational/Technical</td>
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<tr>
<td>BOT</td>
<td>Botany</td>
<td>DIM Diesel Mechanics</td>
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<td>EAD Education: Vocational/Technical</td>
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<tr>
<td>BRC</td>
<td>Banking Related courses (not AIB or IFE)</td>
<td>DTE Dental Laboratory Technology</td>
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<td>EAD Education: Vocational/Technical</td>
<td></td>
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<tr>
<td>BSC</td>
<td>Biological Sciences</td>
<td>DUT Dutch Language</td>
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<td>EAD Education: Vocational/Technical</td>
<td></td>
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<tr>
<td>BTE</td>
<td>Business Education</td>
<td>DUT Dutch Language</td>
<td></td>
<td>EAD Education: Vocational/Technical</td>
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</tr>
<tr>
<td>BUL</td>
<td>Business Law</td>
<td>EAP English for Academic Purposes</td>
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<td>EAD Education: Vocational/Technical</td>
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<tr>
<td>CAP</td>
<td>Computer Applications (for Computer Scientists)</td>
<td>EAS Aerospace Engineering</td>
<td></td>
<td>EAD Education: Vocational/Technical</td>
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<tr>
<td>CAC</td>
<td>Clinical Audiology and Speech Language Pathology</td>
<td>ECH Engineering: Chemical</td>
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<td>EAD Education: Vocational/Technical</td>
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<tr>
<td>CAT</td>
<td>CAT</td>
<td>ECH Engineering: Chemical</td>
<td></td>
<td>EAD Education: Vocational/Technical</td>
<td></td>
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<tr>
<td>CBH</td>
<td>Comparative Psychology and Animal Behavior</td>
<td>EEO Economics</td>
<td></td>
<td>EAD Education: Vocational/Technical</td>
<td></td>
</tr>
<tr>
<td>CCE</td>
<td>Civil Construction Engineering</td>
<td>ECP Economic Problems &amp; Policy</td>
<td></td>
<td>EAD Education: Vocational/Technical</td>
<td></td>
</tr>
<tr>
<td>CJC</td>
<td>Criminology and Criminal Justice</td>
<td>ECS Economic Systems &amp; Development</td>
<td></td>
<td>EAD Education: Vocational/Technical</td>
<td></td>
</tr>
<tr>
<td>CDA</td>
<td>Computer Design/Architecture</td>
<td>EDA Educational Administration</td>
<td></td>
<td>EAD Education: Vocational/Technical</td>
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</tbody>
</table>

**Notes:**
- Course identifiers are in the format (first digit) (second digit) (third digit) (fourth digit).
- Each course identifier is associated with a specific department and course title.
- Credits and requirements are specified for each course.
- Notes indicate any special considerations or restrictions.
### Common Course Numbering System

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Code</th>
<th>Title</th>
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<tbody>
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<td>Latin American History</td>
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<td>Nematology</td>
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<tr>
<td>NUR</td>
<td>Nursing, Graduate</td>
<td>NGR</td>
<td>Nuclear Medicine Technology</td>
</tr>
<tr>
<td>OCC</td>
<td>Chemical Oceanography</td>
<td>OCA</td>
<td>Office Computer Applications</td>
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<td>OCG</td>
<td>Geological Oceanography</td>
<td>OPC</td>
<td>Physical Oceanography</td>
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<tr>
<td>MCB</td>
<td>Microbiology</td>
<td>OCP</td>
<td>Occupational Therapy</td>
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<td>Midwifery</td>
<td>PAF</td>
<td>Public Affairs</td>
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<tr>
<td>MHC</td>
<td>Human Services</td>
<td>PAM</td>
<td>Public Administration</td>
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<tr>
<td>MHI</td>
<td>Human Services</td>
<td>PAP</td>
<td>Parks and Zoos</td>
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<tr>
<td>MHL</td>
<td>Health, Leisure, and Physical Education</td>
<td>PAX</td>
<td>Peace Studies</td>
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<tr>
<td>MHE</td>
<td>Home Economics: Home Management and Equipment</td>
<td>PCE</td>
<td>Process Biology, Cell/Molecular/Ecology/Genetics/Physiology</td>
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<td>Public Relations</td>
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<td>PCL</td>
<td>Psychology</td>
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<td>International Education Applied</td>
<td>PMC</td>
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<td>Medical Computer Applications</td>
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<td>PLT</td>
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<td>Political Science</td>
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<tr>
<td>MIE</td>
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</tr>
</tbody>
</table>

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*Please note that the above list is not exhaustive and represents a partial selection of course codes and titles.*
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, 3905, 4905, 5905
Directed Independent Research 4912, 5912

Special Undergraduate Research

Special Topics/Seminars 1921, 2930, 3930, 4930, 5930

*Internships, Practicums, Clinical Pract 3940, 4940
Cooperative Education 1949, 2949, 3949, 4949
Honors Undergraduate Thesis 3970, 4970
Honors Directed Reading 4903
Honors Directed Research 4904
Study Abroad 4955

These courses may be assigned variable credit. Some may be repeated upon approval.

The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

Enrollment is limited to those students who are fully admitted to the Graduate Program.

Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should consult their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
C: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example:

ENV 4121C ECS-CEE 3(2,3)

ENV 4121C is offered by the College of Engineering and Computer Science (ECS), in the Civil and Environmental Engineering (CEE) Department, carries 3 hours of credit but requires 5 contact hours which consist of 2 hours in class and 3 hours laboratory or field work.

College/School/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are:

- BA = Business Administration
- AH = Arts & Humanities
- BHC = Burnett Honors College
- COS = Sciences
- ED = Education
- ECS = Engineering and Computer Science
- HM = Hospitality Management
- HPA = Health and Public Affairs

Department indicators are listed below (by college):

<table>
<thead>
<tr>
<th>College/School</th>
<th>Department</th>
<th>Abbreviation</th>
<th>Department</th>
<th>Department</th>
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</thead>
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ACG 2021 BA-ACCT 3(3,0)

ACG 2021H BA-ACCT 3(3,0)

ACG 2071 BA-ACCT 3(3,0)
Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105 with a grade of “C” (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 3082 BA-ACCT 3(3,0)
Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

ACG 3131 BA-ACCT 3(3,0)
Financial Accounting Concepts and Analysis: PR: Junior Standing, Accounting major or minor, and ACG 2021, with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement, and disclosure plus the study of how accounting reports are analyzed, and interpreted by external users. Fall, Spring.

ACG 3141 BA-ACCT 3(3,0)
Intermediate Financial Accounting: PR: Accounting major or minor, ACG 3131 with a grade of “C” (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

ACG 3361 BA-ACCT 3(3,0)
Cost Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105, ECO 2013, ECO 2023, and ACG 2071 with a grade of “C”. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3501 BA-ACCT 3(3,0)
Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of “C” or better in ACG 2021. Application of the accounting information for governmental and nonprofit organizations. Fall.

ACG 4001C BA-ACCT 3(3,1)
Accounting Information Systems: PR: Accounting major or minor, ACG 3311 and CEG 2100C, with a grade of “C” or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 4651 BA-ACCT 3(3,0)
Auditing: PR: Accounting major or minor, ACG 3411 and ACG 4401C with a grade of “C” or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

ACG 4671 BA-ACCT 3(3,0)
Internal Auditing: PR: Accounting major or minor, ACG 3311 or ACG 3811. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 5005 BA-ACCT 1.5(1.5,0)
Accounting Foundations: PR: Acceptance to Graduate Study. Accounting and reporting from an investment and managerial decision making perspective. Fall, Spring.

ACG 5206 BA-ACCT 3(3,0)

ACG 5346 BA-ACCT 3(3,0)
Advanced Managerial Accounting: PR: Acceptance in the graduate program, or Accounting major or minor in term of graduation, and ACG 3361 with a grade of “C” or better and ECO 3411. Advanced and current techniques for generation and use of accounting information in managerial decision-making. Fall, Spring.

ACG 5405 BA-ACCT 3(3,0)
Advanced Accounting Information Systems: PR: Acceptance in the graduate program, or Accounting major or minor in term of graduation, and ACG 4401C. Design, analysis and evaluation of accounting information systems. Fall, Spring.

ACG 5517 BA-ACCT 3(3,0)
Financial Accounting and Auditing for Governmental and Nonprofit Organizations: PR: Acceptance in the graduate program, or Accounting major or minor in term of graduation, and ACG 3501 or consent of Graduate Program Advisor. Financial accounting and reporting for funds and activities of governments and nonprofit organizations; financial audit of government and nonprofit organizations. Occasional.

ACG 5625 BA-ACCT 3(3,0)
Auditing and EDP: PR: Acceptance for graduate study, ACG 4401C, and ACG 4651. An examination of auditing procedures followed when a company uses a computer to process financial records. Occasional.

ADV 3000 COS-COMM 3(3,0)
Principles of Advertising: PR: SPC 1600. Overview of the field of advertising: purposes, techniques, the role of agencies, advertisers and the media. Fall, Spring.

ADV 4300 COS-COMM 3(3,0)
Advertising Media Planning: PR: ADV 3000 and AD/PR major. Media planning and buying, including basic media terms, calculations, and resources. Occasional.

AFA 2300 CAH-AAS 3(3,0)

AFA 3102 CAH-AAS 3(3,0)
Black Perspectives: A Multidisciplinary Approach: PR: ENC 1102. Key issues and methodologies in African American Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.

AFA 3104 CAH-AAS 3(3,0)

AFA 3955 CAH-AAS 6(6,0)
Study Abroad in Eastern Caribbean: PR: LAS 4023 or Junior standing. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. Occasional.

AFA 4105 CAH-AAS 3(3,0)

AFA 5930 CAH-AAS 3(3,0)
Topics in African American Studies: PR: graduate status or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 20th century American society. Occasional.

AFH 3100 CAH-HIST 3(3,0)
African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.
AFH 3200 CAH-HIST 3(3,0) African History Since 1870: PR: C.I. Sub-Saharan African history from 1870 to the present. Occasional.

AFH 5806 CAH-HIST 3(3,0) The Historiography of Slavery in Africa: PR: graduate status or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

AFR 1101C ECS-AFROTC 1(1,2) 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.

AFR 1111C ECS-AFROTC 1(1,2) The Air Force Today II: A brief review of the Army, Navy, and Marine forces. An introduction to special operations and counterinsurgency. Spring.

AFR 2130C ECS-AFROTC 1(1,2) The Development of Air Power I: A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. Fall.

AFR 2131C ECS-AFROTC 1(1,2) The Development of Air Power II: A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.

AFR 3220C ECS-AFROTC 3(3,2) Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. Fall.

AFR 3230C ECS-AFROTC 3(3,2) Air Force Evaluation and Management II: PR: AFR 3220C or C.I. A concluding study of Air Force management fundamentals, including performance evaluation skills. Spring.


AMH 2020H CAH-HIST 3(3,0) U.S. History: 1492-1877: Survey of U.S. History from 1492-1877. Fall, Spring.


AMH 2020 CAH-HIST 3(3,0) U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Fall, Spring.


AMH 3370 CAH-HIST 3(3,0) American Economic History: PR: AMH 2010 and AMH 2020, or C.I. An introduction to the economic development of the U.S., with emphasis on agriculture, labor, industrialization, transportation, and banking. Occasional.

AMH 3402 CAH-HIST 3(3,0) History of the South to 1865: PR: AMH 2010 or AMH 2020 or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery, Calhoun's constitutional theories, secession, Civil War and its aftermath. Occasional.

AMH 3403 CAH-HIST 3(3,0) History of the South Since 1865: PR: AMH 2010 and 2020, or C.I. Reconstruction, the "solid South" and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.

AMH 3421 CAH-HIST 3(3,0) History of Florida to 1845: PR: AMH 2010 and 2020 or C.I. Occasional.

AMH 3423 CAH-HIST 3(3,0) Florida History 1845-Present: PR: AMH 2010 and 2020 or C.I. Occasional.

AMH 3441 CAH-HIST 3(3,0) History of the Frontier: Eastern America: PR: AMH 2010 and AMH 2020 or C.I. The progression of the westward movement from the colonial settlements to the Mississippi, considered as an interpretive approach to American history. Occasional.

AMH 3442 CAH-HIST 3(3,0) History of the Frontier: Western America: PR: AMH 2010 and 2020 or C.I. The development of the trans-Mississippi West and its impact upon American history. Occasional.


AMH 3547 CAH-HIST 3(3,0) U.S. Military History Since 1800: PR: AMH 2010 and AMH 2020, or C.I. U. S. military history since 1900 emphasizing civil-military relations, warfare, and military developments. Occasional.


AMH 3586 CAH-HIST 3(3,0) History of the Hispanic Minorities in the U.S.: Course begins with 16th century through the modern period. Special emphasis on Chicanos, Puerto Ricans, and Cubans. Occasional.

AMH 3610 CAH-HIST 3(3,0) Sport in America to 1945: PR: AMH 2010, AMH 2020 or C.I. History of sport emphasizing development of professional and collegiate sport since 1945. Odd Spring.

AMH 3800 CAH-HIST 3(3,0) Canadian History: Canada since Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. Occasional.

AMH 4110 CAH-HIST 3(3,0) Colonial America, 1607-1763: PR: AMH 2010 and 2020 or C.I. The voyages of discovery, the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. Occasional.

AMH 4112 CAH-HIST 3(3,0) The Atlantic World: PR: C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. Occasional.


AMH 4140 CAH-HIST 3(3,0) Jeffersonian America: PR: AMH 2010 and 2020 or C.I. The Confederation era, the Federalists, Jeffersonian Democracy, and the War of 1812. Occasional.

AMH 4160 CAH-HIST 3(3,0) Jacksonian America: PR: AMH 2010 and 2020 or C.I. The risk of American nationalism, Jacksonian Democracy, the Mexican War, and sectional conflict. Occasional.

AMH 4170 CAH-HIST 3(3,0) Civil War and Reconstruction: PR: AMH 2010 and 2020 or C.I. Reconstruction, and impact of industrialism. Occasional.
ANT 3311 COS-ANTHRO 3(3,0) Indians of the Southeastern United States: A study of the social and cultural history of the Indians of the Southeast. Occasional.

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 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 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 C.I. Comparative study of sociocultural constructions of race and the processes of acculturation and resistance in African Diasporas of the New and Old Worlds. Occasional.

ANT 3320 COS-ANTHRO 3(3,0) Indians of the Southwest: PR: ANT 2000. Native American culture types of the southwest: Navajo, Pueblo (Zuni, Hopi, Tewa), Apache (Lipan, Mescalero), and Desert Tradition (Pima, Papago, Havasupai). Occasional.

ANT 3330 COS-ANTHRO 3(3,0) Cultural Ecology of Amazonia: PR: Any 2000 level social science course or C.I. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. Occasional.


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 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 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) Primatology: PR: ANT 2511 or C.I. 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 C.I. 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. May be repeated. Graded S/U. Occasional.

ANT 4034 COS-ANTHRO 3(3,0) History of Anthropological Thought: The exploration of the intellectual foundations of modern anthropology. Spring.

ANT 4101 COS-ANTHRO 3(3,0) Archaeological Sciences: PR: ANT 2511, or ANT 2100, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

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 C.I. Archaeological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Occasional.


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 through an anthropological approach, both theoretical and practical, with special attention to women's lives. Occasional.

ANT 4332 COS-ANTHRO 3(3,0) People and Cultures of Latin America: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall, Spring.


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) Postcolonial Africa: PR: ANT 2000 or SYG 2000 or C.I. Cultural change and continuity in contemporary Africa, ethnography of postcolonial social and cultural issues including globalization, health, economics, peace and stability. Occasional.


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 C.I. The study of human skeletal remains in relation to legal context. Occasional.

ANT 4525C COS-ANTHRO 3(3,0) Human Osteology: PR: ANT 2511. 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 3(3,0) Advanced Forensic Anthropology: PR: ANT 4521C. Advanced laboratory methods in forensic anthropology, including skeletal analysis and the application of archaeological techniques to the recovery of human remains. Even Spring.

ANT 4586 COS-ANTHRO 3(3,0) Human Origins: PR: ANT 2511. 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.
UCF Courses and Descriptions


ANT 4824 COS-ANTHRO 9(9,0) Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.


ARA 1120 CAH-LANG 4(4,1) Elementary Arabic Language and Civilization I: Introduces the student 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 2200 CAH-LANG 3(3,1) Intermediate Arabic Language and Civilization: PR: ARA 1121 or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.

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 3(2,1) Art in the Elementary School: PR: Junior standing or C.I. Basic principles, purposes, scope and sequence: organization for instruction; evaluation of activities; selected art experiences. Fall, Spring. M&S fee: $5.00

ARE 4351 ED-TLP 3(2,1) Teaching Art in the Elementary School: PR: EDG 4214 and EDG 4233. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and curriculum 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: EDG 4214, and EDG 4233. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&S fee: $5.00

ARE 4356 ED-TLP 3(3,1) Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2050 and ARH 2051. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall. M&S fee: $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

ARE 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.

ARE 5251 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 5255 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.

ARE 5359 ED-TLP 4(4,0) Teaching Art K-12: PR: Admission to M.A. in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&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

ARH 2050H CAH-ART 3(3,0) History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-ART 3(3,0) History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 2051H CAH-ART 3(3,0) Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-ART 3(3,0) History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3454 CAH-ART 3(3,0) Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of “Total Art” in its attempt to break down customary distinctions between life and art. Occasional.

ARH 3471 CAH-ART 3(3,0) Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-ART 3(3,0) African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3570 CAH-ART 3(3,0) Ceramics of the Muslim World: PR: ARH 2050 or C.I. Islamic Art and the stylistic and technical characteristics of the period, in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. Occasional.

ARH 3610 CAH-ART 3(3,0) American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.


ARH 3670 CAH-ART 3(3,0) 20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1920 to 1980) in the Caribbean and South America, issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3673 CAH-ART 3(3,0) Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980's. Occasional.
ARH 3683 CAH-ART 3(3,0)
Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. Occasional.

ARH 3710 CAH-ART 3(3,0)
History of Photography II: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.

ARH 3711 CAH-ART 3(3,0)
History of Photography III: PR: Junior Standing or C.I. History of printmaking in the Western world, surveying works by "the great printmakers." Occasional.

ARH 3720 CAH-ART 3(3,0)
History of Prints: PR: ARH 2050 and ARH 2051 or C.I. The content of this course is designed for art majors. Occasional.

ARH 3820 CAH-ART 3(3,0)
Visual Arts Administration: Vitas: PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. Occasional.

ARH 4170 CAH-ART 3(3,0)
Greek & Roman Art: PR: ARH 2050 or HUM 3433 and ENC 1102 or C.I. A study of the art and architecture of the ancient civilizations of the Mediterranean, comprising Greece, Etruria, and Rome. Occasional.

ARH 4200 CAH-ART 3(3,0)
Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.

ARH 4310 CAH-ART 3(3,0)
Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.

ARH 4350 CAH-ART 3(3,0)
Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.

ARH 4430 CAH-ART 3(3,0)
19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 CAH-ART 3(3,0)
20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Futurism, Cubism to the art of the present. Occasional.

ARH 4545 CAH-ART 3(3,0)
Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Raiput, and Muslim periods. Occasional.

ARH 4655 CAH-ART 3(3,0)
Meso American Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Columbia, through the Spanish Colonial, to the 20th century. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3643C</td>
<td>Digital Effects &amp; Compositing</td>
<td>PR: Animation major. Special effects and compositing for computer animation and film. Focus on the use of After Effects, Premier and Photoshop or comparable software. Fall, Spring. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>ART 3760C</td>
<td>Intermediate Ceramics</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, and ART 2201C. Continuation of ceramic processes. Fall, Spring. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>ART 3764C</td>
<td>Ceramic Handbuilding I</td>
<td>PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>ART 3833C</td>
<td>Processes and Ideas in Art</td>
<td>PR: Junior Standing. This course emphasizes the development of individual creativity and the generation of new insights concerning artistic expression. These &quot;formative activities&quot; must be manifested by students in the form of small sculptures and/or other forms of creativity. Occasional.</td>
</tr>
<tr>
<td>ART 4132C</td>
<td>Advanced Fiber And Fabrics</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, ART 2130C, and a satisfactory portfolio review or C.I. Textile design and production, including non-woven weaving processes. May be repeated for credit. Occasional. M&amp;S fee: $5.00</td>
</tr>
<tr>
<td>ART 4173C</td>
<td>The Artist Book</td>
<td>PR: ART 2201C and ART 2203C. Course will explore the definition of book from traditional hand-made to contemporary artist book. Students will redefine its elements, structure and content and be exposed to binding and printing methods in book production. Fall, Even Spring. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>ART 4226C</td>
<td>Post Production for Animators</td>
<td>PR: FIL 228TC. Concepts and tools for finishing computer and traditional animations on film and video. Emphasis on compositing tools to combine elements in a finished animation. Occasional.</td>
</tr>
<tr>
<td>ART 4320C</td>
<td>Advanced Drawing</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, ART 3223C. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>ART 4402C</td>
<td>Advanced Printmaking</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Even Fall, Spring. M&amp;S fee: $30.00</td>
</tr>
<tr>
<td>ART 4505C</td>
<td>Advanced Painting</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, ART 3500C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>ART 4634C</td>
<td>Web Art</td>
<td>PR: ART 2820 or C.I. The Web as a medium for art. Occasional.</td>
</tr>
<tr>
<td>ART 4710C</td>
<td>Advanced Sculpture</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, ART 2701C, and a satisfactory portfolio review or C.I. May be repeated for credit. Fall, Spring. M&amp;S fee: $50.00</td>
</tr>
<tr>
<td>ART 4765C</td>
<td>Ceramic Handbuilding II</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. Occasional. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>ART 4783C</td>
<td>Advanced Ceramics</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, ART 3760C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. Fall, Spring, M&amp;S fee: $34.99</td>
</tr>
<tr>
<td>ART 4786C</td>
<td>Ceramic Raw Material</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, ART 3760C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. Fall, Spring, M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>ART 4935</td>
<td>B.F.A. Exhibition/Seminar</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, ART 3760C, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>ART 4945</td>
<td>C.R.E.A.T. Project</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, FIL 4280C, and a satisfactory portfolio review or C.I. A practicum in which specialists from Art, Film, Computer Science and other humanities design and develop a project in partnership with industry. Occasional.</td>
</tr>
<tr>
<td>ART 4954</td>
<td>Scotland Study Abroad</td>
<td>PR: ART 2820, ART 2201C, ART 2201C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>ART 5109C</td>
<td>Multi-Cultural Crafts Design</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C, graduate status or senior standing, or C.I. The content of this course will include an appreciation for and the production of Western and Non-Western art forms. Occasional.</td>
</tr>
<tr>
<td>ART 5280C</td>
<td>Serial Content &amp; Classic Form</td>
<td>PR: Admission to MFA. Studio course exploring serial imaging history, pictographs, alphabet development, typographic design, and the computer as sequenced design concepts and tools. Fall.</td>
</tr>
<tr>
<td>ART 5284C</td>
<td>Design Theory and Methods</td>
<td>PR: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall.</td>
</tr>
<tr>
<td>ART 5707C</td>
<td>Digital Illustration</td>
<td>CR: ART 6660C. Methods and media effects usually associated with traditional illustration in a digital platform. Spring.</td>
</tr>
<tr>
<td>ART 5865</td>
<td>Crosscultural Electronic Art &amp; Design</td>
<td>PR: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the &quot;ars electronica&quot; into the present. Spring.</td>
</tr>
<tr>
<td>ART 5995</td>
<td>WebArt I</td>
<td>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.</td>
</tr>
<tr>
<td>ART 5996</td>
<td>Art, Design and Human Interactions</td>
<td>PR: Admission to MFA. Exploration and design of interface interactions systems and technologies in contemporary society and culture including place making, way finding, electronic interface design, and publication design. Spring.</td>
</tr>
<tr>
<td>ART 5998</td>
<td>Concours I</td>
<td>PR: ART 5910 and ART 5280C and ART 5954, or C.I. Digital reproduction of studio works. Fall.</td>
</tr>
<tr>
<td>ART 5745</td>
<td>Physical and Virtual Sculpture</td>
<td>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.</td>
</tr>
<tr>
<td>ART 5811C</td>
<td>The Professional Practice of Art</td>
<td>PR: ART 2201C, ART 2203C, ART 2200C, ART 2201C- (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>ART 5910</td>
<td>Studio Concentration I</td>
<td>PR: Admission to MFA. Course is the major for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be repeated for credit. (2 times). Fall, Spring.</td>
</tr>
<tr>
<td>ART 5941</td>
<td>Graduate Practicum I</td>
<td>PR: WebArt I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.</td>
</tr>
<tr>
<td>ART 3222</td>
<td>Islam and its Empires</td>
<td>PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. Occasional.</td>
</tr>
<tr>
<td>ART 3223</td>
<td>The Modern Middle East</td>
<td>PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. Occasional.</td>
</tr>
</tbody>
</table>
ASH 4304 CAH-HIST 3(3,0)

ASH 4402 CAH-HIST 3(3,0)

ASH 4404 CAH-HIST 3(3,0)
China in 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. The Mongols in China; coming of the Europeans; social structure; Communist movement; Japanese aggression. Occasional.

ASH 4442 CAH-HIST 3(3,0)
Modern Japan, 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War II; and U.S. occupation. Occasional.

ASH 5227 CAH-HIST 3(3,0)
The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. Occasional.

ASH 5408 CAH-HIST 3(3,0)
Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Designed works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

AST 2002 COS-PHYS 3(3,0)
Astronomy: Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.

AST 2002H COS-PHYS 3(3,0)

AST 2002L COS-PHYS 1(0,3)

AST 3110 COS-PHYS 3(3,0)

AST 3211 COS-PHYS 3(3,0)

AST 3402 COS-PHYS 3(3,0)
Galaxies and Cosmology: PR: AST 2002, PHY 2053C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.

AST 3722C COS-PHYS 3(3,0)

AST 4142 COS-PHYS 3(3,0)
Asteroids, Comets, and Meteoroids: PR: AST 2002 or AST 3211. Asteroids, comets, and meteorites and their role in the origin and evolution of our solar system. Occasional.

AST 4501 COS-PHYS 3(3,0)
Cepheid Variables: PR: PHY 2048, AST 2002. The orbital motions of celestial bodies, including orbit calculation, perturbation theory, and Hohmann transfer orbits. Occasional.

AST 5165 COS-PHYS 3(3,0)
Planetary Atmospheres: PR: Mechanics PHY 3220 and Modern Physics 3101, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.

BCH 4053 COS-CHEM 3(3,0)

BCH 4053H COS-CHEM 3(3,0)

BCH 4054 COS-CHEM 3(3,0)

BCH 4103L COS-CHEM 2(0,6)
Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. Spring. M&S fee: $45.00

BOT 3152C COS-BIOL 3(1,4)
Local Flora: PR: BSC 2010C and BSC 2011C, or C.I. The study of the abiotic and biotic processes which control the distribution of terrestrial flora at local, landscape, and global scales. Occasional. M&S fee: $15.00

BOT 3800 COS-BIOL 3(3,0)
Ethnobotany: PR: C.I. Historical and modern uses of plants economically important in various cultures. Designed for majors and non-majors. Spring.

BOT 3820C COS-BIOL 3(2,1)
Plants and the Urban Environment: PR: Junior standing or C.I. The selection, placement, propagation and care of ornamental plants in residential and industrial areas. For majors and non-majors only. Occasional. M&S fee: $15.00

BOT 4156C COS-BIOL 4(2,6)

BOT 4223C COS-BIOL 4(3,3)
Plant Anatomy: PR: BSC 2010C and BSC 2110C, or C.I. A study of development, structure and function of the principal organs and tissue of vascular plants. Occasional. M&S fee: $15.00

BOT 4303C COS-BIOL 5(3,6)
Plant Kingdom: PR: BSC 2010C and BSC 2011C, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. Occasional. M&S fee: $40.00

BOT 4503 COS-BIOL 3(3,0)
Plant Physiology: PR: PCB 3023 or C.I. A Study of mechanisms used by plants to cope with the environment. Occasional.

BOT 4503L COS-BIOL 1(0,3)
Plant Physiology Laboratory: CR: BOT 4503. The laboratory to accompany BOT 4503. Occasional. M&S fee: $15.00

BOT 4686C COS-BIOL 4(3,3)
Conservation and Management of Native Plants: PR: BSC 2010C and/or BSC 2110C or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.

BOT 4713C COS-BIOL 5(3,6)

BOT 5485C COS-BIOL 3(2,3)
Terrestrial Cryptogams: PR: BOT 4303C, graduate status or senior standing, or C.I. A lecture-laboratory course survey the biodiversity and classification of terrestrial cryptogams (bryophytes, ferns, and fern allies) with special emphasis on those found in Florida. Occasional. M&S fee: $15.00

BOT 5623C COS-BIOL 4(3,3)
Plant Geography and Ecology: PR: PCB 3044, and graduate status or senior standing or C.I. The study of the abiotic and biotic processes that control the distribution of terrestrial flora at local, landscape, and global scales. Occasional. M&S fee: $15.00

BSC 1005 COS-BIOL 3(3,0)
Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.

BSC 1005H COS-BIOL 3(3,0)
Biological Principles-Honors: PR: Permission of Honors. Biological factors that affect dependence on the environment; the role of human population preserving ecological integrity. Occasional.

BSC 1005L COS-BIOL 1(0,2)
Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&S fee: $15.00

BSC 1050 COS-BIOL 3(3,0)
Biology and Environment: Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. Occasional.

BSC 1050H COS-BIOL 3(1,4)
BSC 1050L COS-BIOL 1(0,2) Biology and Environment Laboratory: CR: BSC 1050. The laboratory to accompany BSC 1050. Occasional. M&S fee: $15.00

BSC 2010C COS-BIOL 4(3,2) Biology I: PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee: $15.00

BSC 2010H COS-BIOL 4(3,3) General Biology Honors: PR: Permission of Honors. Priority given to students whose major requires this course. Basic principles and unifying concepts of modern biology. Introduction to quantitative experimentation using intensive, open-ended labs. Fall, Spring. M&S fee: $24.00

BSC 2011C COS-BIOL 4(3,3) Biology II: PR: BSC 2010C or C.I. Open only to students whose major requires this specific course. Continuation of BSC 2010C. Organismal anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee: $20.00

BSC 2121H COS-BIOL 4(2,6) Honors Biodiversity: PR: Permission of Honors and BSC 2010C or C.I. BSC 2111C for honors students; enhanced by considerable field work, a CD-ROM "text," relevant video programs and readings written by authorities in the field. Occasional.


BSC 3403C BCBS-M&M 4(3,4) Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee: $25.00

BSC 3404H BCBS-M&M 4(3,4) Quantitative Biological Methods-Honors: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3424 BCBS-M&M 3(3,0) Nanobiotechnology: PR: MCB 1310, 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) Cooperative Education in Biology: PR: Departmental permission required before registering. Cooperative education experience in biology. May be repeated. Graded SU. Occasional.

BSC 4101 COS-BIOL 3(3,0) History of Biology: PR: BSC 2010C, BSC 2011C and 8 hours in biology or C.I. People and events involved in the development of major biological concepts and disciplines. Suitable for majors and non-majors. Occasional.

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(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 laboratory. May be repeated for credit, up to a maximum of 4 credits total. Graded SU. Occasional.

BSC 4454 COS-BIOL 2(0,2) Research in Animal Physiology: PR: PCB 4723. Development of research skills in animal physiology through hands-on experimental design, data collection, use of data analysis software, and communication of results. Occasional.

BSC 4937 COS-BIOL 2(0,2) Instructional Experiences in Undergraduate Biology: PR: PCB 3044 or 3060 Fall, Spring. 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in the laboratory. May be repeated for credit. Graded SU. Fall, Spring.

BSC 5408L COS-BIOL 3(0,9) Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional. M&S fee: $15.00

BSC 5817 COS-BIOL 3(3,0) Biology for AP Teachers: PR: Graduate status or senior standing or C.I. Participants will perform and evaluate the 12 required labs, analyze the design and grading of the Exam, and develop a representative program. Occasional.

BTE 4410 ED-TLP 3(3,0) Course Construction in Business Education: PR: EVT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the vocational frameworks. Planning and preparation of materials, managing the laboratory and involvement in vocational student organizations. Occasional.

BUL 3130 BA-ACCT 3(3,0) Legal and Ethical Environment of Business: PR: Junior standing and business major or minor. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical considerations. Fall, Spring.

BUL 3130H BA-ACCT 3(3,0) Legal & Ethical Environment of Business - Honors: PR: Junior standing and business major or minor. Permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.


BUL 5332 BA-ACCT 3(3,0) Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation. BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(3,0) Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4453 ECS-CS 3(3,0) Robot Vision: PR: COP 3530C and MAC 2312, or C.I. Pinhole camera and eye, perspective and orthographic projections, the processing of edges, regions, motion, shading, texture, object, robot arm usage. Fall, Spring.


CAP 4720 ECS-CS 3(3,0) Computer Graphics: PR: COP 3530C 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 API. Occasional.

CAP 5015 ECS-CS 3(3,0) Multimedia Compression on the Internet: PR: seniors and graduate students with interest in internet technology. Multimedia data, internet technology, entropy; compression methods, vector quantization, transform coding; wavelet video compression; model based compression. Occasional.

CAP 5415 ECS-CS 3(3,0) Computer Vision: PR: COP 3530C, MAC 2312 and COT 3960. Image formation, binary vision, growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.


CAP 5512 ECS-CS 3(3,0) Evolutionary Computation: This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.


CAP 5636 ECS-CS 3(3,0) Advanced Artificial Intelligence: PR: CAP 4630. AI theory of knowledge representation, "expert systems," memory organization, problem solving, learning, planning, vision, and natural language. Fall.

CAP 5725 ECS-CS 3(3,0) Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphics systems. Spring.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCE 4003</td>
<td>Introduction to the Construction Industry: PR: EGN 3613, EGN 3310, ENV 3001. Project delivery systems, construction contracts, estimating and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. Fall.</td>
<td>3(3.0)</td>
<td></td>
</tr>
<tr>
<td>CCE 4004</td>
<td>Construction Methods: PR: CES 4100C. Construction project evaluation principles along with construction methods for civil and structural systems. Spring.</td>
<td>3(3.0)</td>
<td></td>
</tr>
<tr>
<td>CCE 4031</td>
<td>Construction Project Management: PR: EGN 3613. Project management in the construction industry. Project financial evaluation on a life cycle basis. Essentials of project management such as estimating, scheduling, contracts, and administration. May be repeated for credit. Occasional.</td>
<td>3(3.0)</td>
<td></td>
</tr>
<tr>
<td>CCE 4034</td>
<td>Construction Estimating and Scheduling: PR: CCE 4003. This course covers construction project estimating and bidding and the preparation of construction schedules. This is followed by in-depth coverage of time and cost control. Fall.</td>
<td>3(3.0)</td>
<td></td>
</tr>
<tr>
<td>CCE 4402</td>
<td>Construction Equipment and Productivity: PR: CCE 4003, CWR 3201. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, and discrete event simulation. Spring.</td>
<td>3(3.0)</td>
<td></td>
</tr>
<tr>
<td>CCE 4810C</td>
<td>Construction Design Project: PR: Senior Standing, CCE 4034, and CCE 4004. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, and control. Spring.</td>
<td>3(2.2)</td>
<td></td>
</tr>
<tr>
<td>CCE 4813</td>
<td>Mechanical and Electrical Systems for Buildings: PR: CCE 4003, PHY 2049L, CWR 3201. Design and construction of mechanical and electrical systems for buildings. Fall.</td>
<td>4(4.0)</td>
<td></td>
</tr>
<tr>
<td>CCE 5006</td>
<td>Introduction to Construction Industry: PR: post-bac status or C.I. This course introduces students to the construction industry. Topics include project evaluation, project phases, project delivery systems, contracts, estimating and scheduling, drawing and specifications. Research paper required. Occasional.</td>
<td>3(3.0)</td>
<td></td>
</tr>
<tr>
<td>CCE 5036</td>
<td>Construction Estimation and Scheduling: PR: C.I. Provides students with an understanding of estimating and scheduling of construction projects. Topics include detailed estimates, scheduling and project control. Research paper required. Occasional.</td>
<td>3(3.0)</td>
<td></td>
</tr>
<tr>
<td>CCE 5205</td>
<td>Construction Methods: PR: post-bac status or C.I. This class covers construction project evaluation principles along with construction methods for civil and structural systems. Occasional.</td>
<td>3(3.0)</td>
<td></td>
</tr>
<tr>
<td>CCE 5406</td>
<td>Construction Equipment and Productivity: PR: C.I. Selection of appropriate equipment based on operational parameters. Principles of construction productivity measurement and analysis. Discrete event simulation. Occasional.</td>
<td>3(3.0)</td>
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</tbody>
</table>
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CCJ 4670</td>
<td>Women and Crime:</td>
<td>This course covers women in criminal justice as offenders and victims, as well as crime victims and professionals working in the system. Occasional.</td>
</tr>
<tr>
<td>CCJ 4690</td>
<td>Sex Offenders and the Criminal Justice System:</td>
<td>Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Odd Fall, Spring.</td>
</tr>
<tr>
<td>CCJ 4701</td>
<td>Research Methods in Criminal Justice:</td>
<td>Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall, Spring.</td>
</tr>
<tr>
<td>CCJ 4934</td>
<td>Emergent Criminal Justice Issues:</td>
<td>This course provides an overview of major dimensions of crime in the U.S.: epidemicology of crime, costs of crime, and typologies of crime and criminals. Fall, Spring.</td>
</tr>
<tr>
<td>CCJ 5015</td>
<td>The Nature of Crime:</td>
<td>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.</td>
</tr>
<tr>
<td>CCJ 5040</td>
<td>International Perspectives on Law and Justice:</td>
<td>Provides an 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.</td>
</tr>
<tr>
<td>CCJ 5073</td>
<td>Data Management Systems for Crime Analysis:</td>
<td>This course is designed to provide the conceptual basis, understanding, and skills necessary for complex crime data manipulation. Fall.</td>
</tr>
<tr>
<td>CCJ 5406</td>
<td>Research and Technology Implementation:</td>
<td>Changing roles of social and physical sciences as related to the objectives and administration of public safety agencies. Occasional.</td>
</tr>
<tr>
<td>CCJ 5456</td>
<td>The Administration of Justice:</td>
<td>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.</td>
</tr>
<tr>
<td>CCJ 5467</td>
<td>Justice and Safety System Manpower:</td>
<td>Processes essentials to administration to human resources in criminal justice and public safety agencies; structure and processes for acquisition, training, and maintenance of personnel. Occasional.</td>
</tr>
<tr>
<td>CCJ 5675</td>
<td>Human Rights &amp; Criminal Justice:</td>
<td>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.</td>
</tr>
<tr>
<td>CCJ 5704</td>
<td>Research Methods in Criminal Justice:</td>
<td>An examination of the philosophy and techniques of research as applied in the Criminal Justice field. Fall, Spring.</td>
</tr>
<tr>
<td>CCJ 5931</td>
<td>Contemporary Criminal Justice Strategies:</td>
<td>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 repeated for credit (2 times). Occasional.</td>
</tr>
<tr>
<td>CDA 4150</td>
<td>Computer Architecture:</td>
<td>PR: CEG 3402 and CDA 3103C. Basic processor design, hardwired and microprogrammed control, ALU, memory organization, pipelining, I/O and computer arithmetic. Fall, Spring.</td>
</tr>
<tr>
<td>CDA 4150H</td>
<td>Honors Computer Architecture:</td>
<td>PR: Permission of Honors and COP 3402 and CDA 3103C. Same as CDA 4150 with Honors level content. Occasional.</td>
</tr>
<tr>
<td>CDA 4506C</td>
<td>Design and Implementation of Computer Communication Networks:</td>
<td>PR: COT 5020C, 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.</td>
</tr>
<tr>
<td>CDA 5106</td>
<td>Advanced Computer Architecture I:</td>
<td>PR: CDA 4150. Instruction set architectures, processor implementation, memory hierarchy, pipelining, computer arithmetic, vector processing, and I/O. Fall, Spring.</td>
</tr>
<tr>
<td>CDA 5110</td>
<td>Parallel Architecture and Algorithms:</td>
<td>PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel computers; arrays, message-passing; shared-memory; Taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.</td>
</tr>
<tr>
<td>CDA 5215</td>
<td>Architecture and Design of VLSI:</td>
<td>PR: CDA 4150 or equivalent. Overview of VLSI technology. Logical design of basic subsystems; integrated system design tools; design of a VLSI computer system. Occasional.</td>
</tr>
<tr>
<td>CEG 3301</td>
<td>Engineering and Environmental Geology:</td>
<td>PR: EGN 3311 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.</td>
</tr>
<tr>
<td>CEG 4801C</td>
<td>Geotechnical Engineering Design:</td>
<td>PR: CEG 4101C. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>CEG 4812</td>
<td>Historical Developments in Civil Engineering:</td>
<td>Seminar covering major historical developments in civil engineering. Occasional.</td>
</tr>
<tr>
<td>CEG 5015</td>
<td>Geotechnical Engineering II:</td>
<td>PR: CEG 4101C. Continuation of CEG 4101C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability. Occasional.</td>
</tr>
<tr>
<td>CEG 5700</td>
<td>Geo-Environmental Engineering:</td>
<td>PR: CEG 4101C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater contaminant transport, geosynthetic and stability of landfill design, control of contaminated sites. Occasional.</td>
</tr>
<tr>
<td>CEN 4020</td>
<td>Component-based Engineering Software:</td>
<td>PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analyst design and implementation of correct and reusable software in different component levels. Occasional.</td>
</tr>
</tbody>
</table>
CEN 5016  ECS-CS  3(3,0)  Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.

CSE 4100C  ECS-CEE  4(3,3)  Structural Analysis I and Lab: PR: EGN 3331. Topics in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods computer and laboratory exercises on behavior of structures and materials. Fall.

CSE 4101  ECS-CEE  3(3,0)  Structural Analysis II: PR: CSE 4100C. Special structures; introduction to matrix structural analysis, dynamic loads including wind and earthquake. Occasional.

CSE 4605  ECS-CEE  3(3,0)  Steel Structures: PR: CSE 4100C. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall.

CSE 4608C  ECS-CEE  3(2,2)  Steel Design: PR: CSE 4605. Project course on design of steel components, connections, and frame structures using AISC specifications. Spring. M&S fee: $15.00

CSE 4702  ECS-CEE  3(3,0)  Reinforced Concrete Structures: PR: CSE 4100C or C.I. Design of concrete members using ACI code; beam flexure and shear, compression bending, bond and development; introduction to continuous frames. Spring.

CSE 4709C  ECS-CEE  3(2,2)  Concrete Design: PR: CSE 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. Fall. M&S fee: $15.00

CSE 5325  ECS-CEE  3(3,0)  Bridge Engineering: PR: CSE 4605, CSE 4702. Structural systems for bridges, loading, analysis by influence lines, slab and girder bridges, composite design, prestressed concrete, rating of existing bridges, specifications and economic factors. Occasional.

CSE 5606  ECS-CEE  3(3,0)  Advanced Steel Structures: PR: CSE 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.

CSE 5706  ECS-CEE  3(3,0)  Advanced Reinforced Concrete: PR: CSE 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.

CSE 5821  ECS-CEE  3(3,0)  Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design load-codes and standards; analysis for axial loads, flexure and shear. Occasional.

CET 2123C  ECS-ENT  3(2,3)  Microprocessor Electronics I: PR: MAC 1105. Introduction to microprocessors. Includes machine language programming, an introduction to microprocessor-based system architecture, and binary and hexadecimal arithmetic. Occasional. M&S fee: $5.00

CET 2364  ECS-ENT  3(3,0)  Systems Applications in C: PR: MAC 1105. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. May be repeated for credit. Fall, Spring.

CET 3010  ECS-ENT  3(3,0)  Introduction to Information Technology: PR: MAC 1105. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Spring.

CET 3144C  ECS-ENT  3(2,2)  Applied Microprocessor Technology: PR: DC Circuit Analysis, digital and microprocessor fundamentals, and high level programming language. Analysis and design of the components, architecture, and interfacing of a microcomputer. Specific reference to IBM compatible microcomputers and peripherals. Troubleshooting and repair are emphasized in the laboratory. Occasional. M&S fee: $10.00

CET 3198C  ECS-ENT  3(3,2)  Digital Systems: PR: DC Circuits and Digital Circuits 1. Finite State Machines and Algorithmic State Machines, includes design, synthesis and implementation of a digital system using schematic capture and VHDL. Spring. M&S fee: $12.00

CET 3323C  ECS-ENT  4(3,2)  Digital Technology: PR: MAC 1105 and C.I. Digital logic gates, memory devices, Karnaugh Maps, combinational logic, arithmetic units, registers and sequential logic. Fall, Spring.

CET 3383  ECS-ENT  3(3,0)  Applied Systems Analysis I: PR: CET 2364 or equivalent. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (C++) to implement system programs. May be repeated for credit. Spring.

CET 3503  ECS-ENT  3(3,0)  Microcomputer Technology I: PR: High level programming language. Microcomputer assembly programming, including overview of architecture and operating system environment. Fall.

CET 3529  ECS-ENT  3(3,0)  Linux/Unix System Admin and Applications: PR: CET 2364 or equivalent. Installation, creation and maintenance of file systems, backups, and configuration. Fall, Spring.

CET 3752  ECS-ENT  3(3,0)  Intro to Telephony: PR: EET 3085C or equivalent or C.I. An introductory level course in telephony technology. The telephony environment, telereconnaissance, telephony controls, and services of telephony service. Fall.

CET 4134C  ECS-ENT  3(2,4)  Microprocessor Electronics II: PR: Digital Circuits I and CET 2123C. The MC68000 Software architecture program. Computer and laboratory exercises on behavior of structures and materials. Fall.

CET 4138C  ECS-ENT  3(3,2)  Digital Programmable Devices: PR: CET 3198C or equivalent and C.I. Architecture and applications of various types of programmable logic devices. Design entry methods, e.g. H.DL, schematic capture, etc. Lab exercises using PALS, PlDs, and FPGA's. Occasional.


CET 4427  ECS-ENT  3(3,0)  Applied Database I: PR: CET 2364 or equivalent. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. May be repeated for credit. Fall, Spring.

CET 4429  ECS-ENT  3(3,0)  Applied Database II: PR: CET 4427. Continuation of CET 4427. Study of hierarchical database system. Programming project is required. May be repeated for credit. Spring.

CET 4469C  ECS-ENT  3(2,2)  Applied Infobases: PR: EET 3651C, CET 3144C, CET 3333 or equivalent. C.I. Using computer application packages to create, use, and index both personal and technical infobases. Hardware and software optimization, enhancement add-ins. Intraplanet applications. Occasional.

CET 4483  ECS-ENT  3(3,0)  Intro to Local Area Network Technology: PR: EET 3085C or equivalent or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. May be repeated for credit. Spring.

CET 4505  ECS-ENT  3(3,0)  Applied Operating Systems I: PR: CET 2364. Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.

CET 4523  ECS-ENT  3(3,0)  Applied Systems Analysis II: PR: CET 3383. Continuation of CET 3383, with emphasis on distributed processing which includes the interfacing of minis, mainframes, software, communications, and database technology into a responsive information system. Occasional.

CET 4583  ECS-ENT  3(3,0)  Web Based Systems I: PR: CET 2364. Introduction to web systems with emphasis on server configuration, web standards, and portal design. Occasional.

CET 4584  ECS-ENT  3(3,0)  Web Based Systems II: PR: CET 4583. Advanced web design concentration on use of current technology (CGI, Java, XML, DHTML) to provide interactivity. Fall.


CET 4741L  ECS-CS  3(0,3)  Computer Networking Laboratory: PR: C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication texts. Occasional.
CHS 3540C COS-CHEM 2(1,3) Fire and Debris Analysis II: 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) Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. May be repeated. Graded SU. Occasional.

CHS 4200 COS-CHEM 3(3,0) Concepts in Industrial Chemistry: PR: CHM 3410. An introduction to industrial practices, emphasizing the application of chemical principles in the development of a commercial product or process. Occasional.

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 4532 COS-CHEM 3(3,0) Interpretation of DNA Evidence: PR: Grade of "C" or better in CHS 3533C. Concepts and principles of genetic data analysis as applied to forensics. Occasional.


CHS 4537 COS-CHEM 2(2,0) Forensic Laboratory Quality Assurance: PR: Grade of "C" or better in CHS 3501, CHS 3530C, and CHS 3533C. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Odd Fall.

CHS 4541C COS-CHEM 2(1,3) Fire and Debris Analysis II: PR: CHS 3540C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.


CHS 4591 COS-CHEM 4(0,40) Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. This course may be repeated for credit. Occasional.

CHS 4615 COS-CHEM 3(3,0) Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science M.S. program or C.I. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. Occasional.

CHS 5503 COS-CHEM 3(3,0) Topics in Forensic Science: PR: Graduate status or C.I. Will include the history of Forensic Science and current issues such as Digital Evidence. Occasional.

CHS 5518 COS-CHEM 3(3,0) The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.

CHS 5596 COS-CHEM 3(3,0) The Forensic Expert in the Courtroom: PR: CHS 3533C, CH 6535, CH 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Spring.


CIS 3620 ECS-CS 3(3,0) Cryptography and Information Security: PR: COP 3223 or EGN 3211 or CET 2364, and MAC 2147 or equivalent. Cryptography and encryption algorithms. Public and private keys. Spring.

CIS 3630 ECS-CS 3(3,0) Network Security and Privacy: PR: CDA 4506C or equivalent, CIS 3360, CIS 3362, and COP 3530C. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. Occasional.

CIS 4361 ECS-CS 3(3,0) Secure Operating Systems and Administration: PR: COP 4600 or EEL 4682 or CET 4505. Understanding of secure operating systems requirements, system programming, and protection and security issues. Occasional.

CJE 3001 HPA-CJ/LS 3(3,0) Careers in Criminal Justice: PR: CCJ 3024. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.

CJE 3501 HPA-CJ/LS 3(3,0) Police and Society: PR: CCJ 3024. An examination of the varied roles of police in contemporary society. Fall, Spring.


CJE 4174 HPA-CJ/LS 4(4,0) Comparative Justice Systems: PR: CCJ 3024 and CJE 3501 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.

CJE 4401 HPA-CJ/LS 3(3,0) Community Policing: PR: CCJ 3014, CJE 401A. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.


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.


Community-Based Corrections: PR: CCJ 3024 and CJE 3501 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.


Secure Operating Systems and Administration: PR: COP 4600 or EEL 4682 or CET 4505. Understanding of secure operating systems requirements, system programming, and protection and security issues. Occasional.


CJ 4564 HPA-CJ/LS 3(3,0) Delinquency Control: PR: CJC 3024 and CJI 3510 or C.J. 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: CJC 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; wiretapping; and interrogations. Occasional.

CJL 4410 HPA-CJ/LS 3(3,0) Legal Aspects of the Criminal Court Process: PR: CJI 3510. The legal dimensions of various criminal court decision-making stages, including bail; charging; preliminary hearing; grand jury; pretrial hearings plea hearings; trial; and, sentencing. Occasional.


CJT 3804 HPA-CJ/LS 3(3,0) Security Administration: Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.


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 3842 HPA-CJ/LS 3(3,0) Special Security Problems: Review and application of basic security principles to retail security, transportation/logistics security, utility security, computer security, and other special security situations. Occasional.

CJT 4100 HPA-CJ/LS 3(3,0) Criminal Investigation: PR: CJE 4014. Course acquaints students with basic Procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.

CJT 4843 HPA-CJ/LS 3(3,0) Risk Management in Criminal Justice/Private Security: PR: CJT 3844. This course examines the concept of risk management in a criminal justice context. Occasional.

CLA 3850 CAH-PHIL 3(3,0) Classical Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2012, or LIN 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.

CLA 3851 CAH-PHIL 3(3,0) Comparative Mythology: PR: ENC 1102 and either HUM 2230, REL 2300, WOH 2202, LIT 2110, or CLA 3850. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. Occasional.


CLP 3143 COS-PSYCH 3(3,0) Abnormal Psychology: PR: PSY 2012 and PPE 3003. Classification, causation, and treatment of deviant patterns of behavior. Fall, Spring.


CLP 3184 COS-PSYCH 3(3,0) Women’s Mental Health: PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. Occasional.

CLP 3302 COS-PSYCH 3(3,0) Clinical Psychology: PR: PPE 3003 and CLP 3143. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.

CLP 3413 COS-PSYCH 3(3,0) Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467C COS-PSYCH 3(2,2) Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.

CLP 4134 COS-PSYCH 3(3,0) Childhood Psychopathology: PR: PSY 2012, CLP 3143, DEP 3004, PPE 3003. An in-depth survey of the prevalence, classification, symptoms, diagnosis, consequences, and treatments of disorders of infancy, childhood, and adolescence. Fall, Odd Spring.

CLP 4314 COS-PSYCH 3(3,0) Health Psychology: PR: CLP 3143, PSB 3002, PPE 3003. Interactions between psychosocial and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical phases for prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. Occasional.

CLP 4390 COS-PSYCH 3(3,0) Forensic Psychology: PR: PSY 2012 and SOP 3751. Clinical practice of psychology within the legal system, including forensic evaluation of competency/insanity, treatment, and criminal profiling. Spring.


CLP 5166 COS-PSYCH 3(3,0) Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5187 COS-PSYCH 3(3,0) Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CMC 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.

COM 1000 COS-COMM 3(3,0) Communication: Basic factors affecting human interaction through communication, theories and models of communication. Fall, Spring.

COM 2347C COS-COMM 1(1,1) Sports Speaking and Interviewing: PR: SPC 1600. 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(1,2) Communication and Human Relations: PR: or CR: COM 3111. Semantics; symbols and meaning and their relationship with human behavior. Fall, Spring.

COM 3013 COS-COMM 3(3,0) Communication and the Family: PR: SPC 1600. 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 1600 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 1600 or C.I. and consent of Honors. Theoretical and practical training in effective presentational speaking for business and professions. With Honors consent. Occasional.
COM 3120 COS-COMM 3(3,0)
Organizational Communication: PR: COM 3311. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.

COM 3311 COS-COMM 3(3,0)
Communication Research Methods: PR: STA 2041C. Research methods used in communication. Understanding and interpretation of original research emphasized. Fall, Spring.

COM 3330 COS-COMM 3(3,0)
Computer Mediated Communication: PR: CGS 1060C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Even Spring.

COM 3332 COS-COMM 3(3,0)
Communication, Technology, and Change: PR: SPC 1600. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Spring.

COM 3406 COS-COMM 3(3,0)

COM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: PR: SPC 1600 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Occasional.

COM 4461 COS-COMM 3(3,0)
Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. Fall, Even Spring.

COM 4462 COS-COMM 3(3,0)
Conflict Management: PR: COM 3311. The study of communication in everyday conflicts. Fall, Spring.

COP 2200 ECS-CS 3(3,0)
Computer Programming: PR: College algebra and trigonometry or equivalent. Problem definitions, algorithms, flow charts, digital computer programming using a higher level language (FORTRAN). Not open to Computer Science Majors. Occasional.

COP 2500C ECS-CS 4(3,1)
Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis and a survey of topics in CS. Not open to Computer Science majors. Fall, Spring.

COP 3223 ECS-CS 3(3,0)
Introduction to Programming with C: Equivalent to EGN 3211. Programming in C including arrays, pointer manipulation and use of standard C math and I/O libraries. Fall, Spring.

COP 3330 ECS-CS 3(3,0)
Object Oriented Programming: PR: COP 3223. Object oriented programming concepts (classes, objects, methods, encapsulation, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. Fall, Spring.

COP 3346 ECS-CS 3(3,0)

COP 3402 ECS-CS 3(3,0)
Systems Software: PR: COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3502C ECS-CS 3(3,0)
Computer Science I: PR: COP 3223 and MAC 1105. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3502H ECS-CS 3(3,0)

COP 3503C ECS-CS 4(3,1)
Computer Science II: PR: COP 3502C and COT 3100C. Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

COP 3503H ECS-CS 3(3,0)
Honors Computer Science II: PR: Permission of Honors and COP 3502H. Continuation of Honors Computer Science I. Object oriented design, data structures, traversal algorithms and program correctness. Occasional.

COP 3503C ECS-CS 3(3,0)
Computer Science III: PR: COP 3502H. Algorithm design and analysis for tree, list, set, relational and graph data models; effects of representation on algorithmic complexity. Introduction to parallel implementations. Occasional.

COP 4020 ECS-CS 3(3,0)
Programming Languages I: PR: COP 3503C and COT 3960. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms object-oriented, functional and logic programming are presented. Fall, Spring.

COP 4020H ECS-CS 3(3,0)
Honors Programming Languages I: PR: Consent of Honors and COP 3503C. Deeper understanding of the paradigms and fundamental concepts of programming languages, such as scope and binding, abstraction and encapsulation, typing etc. Object-oriented, functional and logic programming paradigms will be introduced through programming languages. With Honors consent. Occasional.

COP 4331C ECS-CS 4(3,1)

COP 4516C ECS-CS 3(1,3)
Problem Solving Techniques and Team Dynamics: PR: COP 3503C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. Even Spring.

COP 4520 ECS-CS 3(3,0)
Concepts of Parallel and Distributed Processing: PR: COP 3402 and COP 3503C and COT 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4521 ECS-CS 3(3,0)

COP 4600 ECS-CS 3(3,0)
Operating Systems: PR: COP 3402 and COP 3503C and COT 3100C. The goal of the course is to teach the function and organization of operating systems, process management, virtual memory, I/O management, and file management. Fall, Spring.

COP 4600H ECS-CS 3(3,0)
Honors Operating Systems: PR: Permission of Honors and COP 3402 and COP 3503C. Same as COP 4600 with Honors level content. Occasional.

COP 4610L ECS-CS 3(0,3)
Operating Systems Laboratory: PR: COP 4503C or EEL 4692. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4710 ECS-CS 3(3,0)
Database Systems: PR: COP 3503C. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-CS 3(3,0)
Frontiers in Information Technology: PR: COP 4610L, CET 4741L. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. Fall, Spring.

COP 5021 ECS-CS 3(3,0)

COP 5537 ECS-CS 3(3,0)
Network Optimization: Recent advances in the theory and computational techniques for optimal design and analysis of large networks for computers, communications, transportation, web and other applications. Fall.

COP 5611 ECS-CS 3(3,0)

COP 5711 ECS-CS 3(3,0)
Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multibase systems. Occasional.

COT 3100C ECS-CS 3(3,1)
CRW 3120 CAH-ENG 3(3,0) Fiction Writing Workshop: PR: Junior standing, and C (2.0) or better required in ENC 1102 and CRW 2100 or CRW 3013. An intermediate level fiction writing workshop for English majors; group analysis and critique; close reading of contemporary fiction and fiction theory. Fall, Spring.

CRW 3211 CAH-ENG 3(3,0) Creative Nonfiction Writing: PR: English or English Ed major or C.I., and C (2.0) or better required in CRW 2300. 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.

CRW 3310 CAH-ENG 3(3,0) Poetry Writing Workshop: PR: Grade of C (2.0) or better required in ENC 1102 and CRW 2300 or CRW 3013. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.

CRW 3311 CAH-ENG 3(3,0) Structure of Verse: PR: Grade of C (2.0) or better required in ENC 1102. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.

CRW 3540 CAH-ENG 3(3,0) Literary Magazines: PR: Grade of C (2.0) or better required in ENC 1102. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. Occasional.

CRW 3610 CAH-ENG 3(3,0) Writing Scripts: PR: Grade of C (2.0) or better required in CRW 3013 or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.


CRW 4114 CAH-ENG 3(3,0) History of Prose Style: PR: Grade of C (2.0) or better required in ENC 1102. A review of English prose style from 1611 to 1960. Occasional.

CRW 4222 CAH-ENG 3(3,0) Advanced Fiction Writing Workshop: PR: Grade of C (2.0) or better required in CRW 3120. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. May be repeated once for credit. Fall, Spring.

CRW 4223 CAH-ENG 3(3,0) Science Fiction Writing: PR: CRW 3013. 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: Grade of C (2.0) or better required in CRW 3013 and CRW 3211 (or equivalent and permission based on submission of manuscript). Advanced creative nonfiction, through intensive reading, writing, and workshop. The genre draws upon memory, observation, and techniques of fiction, poetry, and journalism. May be repeated for credit. Fall, Spring.

CRW 4320 CAH-ENG 3(3,0) Advanced Poetry Writing Workshop: PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3310, or CRW 2300. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. May be repeated once for credit. Fall, Spring.

CRW 4616 CAH-ENG 3(3,0) Advanced Scriptwriting Workshop: PR: CRW 3610. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. May be repeated for credit. Occasional.

CRW 4804 CAH-ENG 3(3,0) Creative Writing in the Community: PR: Junior standing and CRW 3100 or CRW 3210 or CRW 3211. Teaching creative writing to community groups through service-learning. Occasional.

CRW 5020 CAH-ENG 3(3,0) Graduate Writing Workshop: PR: Graduate status or senior standing or C.I. Student writers present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. Fall, Odd Spring.

CRW 5130 CAH-ENG 3(3,0) Form and Theory in Creative Writing: PR: Graduate standing and instructor consent. Formal and theoretical study of creative writing of given genre (poetry, short fiction, etc.). May be repeated when genre differs. Occasional.

CRW 5932 CAH-ENG 3(2,1) Teaching Creative Writing: PR: Graduate status or senior standing or C.I. Creative writing practicum. May be repeated for credit. Fall.

CRW 5948C CAH-ENG 3(2,1) Creative Writing Service Learning: PR: Graduate Standing or C.I. On-site experience leading and sharing creative writing in community settings. May be repeated for credit 2 times. Occasional.


CWR 4101C ECS-CEE 3(2,2) Hydrology: PR: STA 3032; CWR 3201. Hydrological cycle, probabilistic forecasting, rainfall excess meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring. M&S fee: $15.00.

CWR 4203C ECS-CEE 3(2,2) Hydraulics: PR: CWR 3201. Continuation of CWR 3201 with emphasis on piping networks, pumps, and hydraulic systems. Laboratories with civil and environmental engineering applications. Fall, Spring. M&S fee: $20.00.

CWR 4812C ECS-CEE 3(2,2) Water Resources Design: PR: CWR 4101C; CWR 4203C. Project course for the design of storm water and sewer transmission systems using local and state regulations. Fall, Spring. M&S fee: $15.00.

CWR 5125 ECS-CEE 3(3,0) Groundwater Hydrology: PR: CWR 4203C or equivalent. Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.


CWR 5515 ECS-CEE 3(3,0) Numerical Methods in Civil & Environmental Engineering: PR: CWR 4101C, CWR 4203C. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.


DAA 2100C CAH-THEA 2(2,1) Modern Dance I: PR: Theatre major, Dance minor, or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.

DAA 2101C CAH-THEA 2(2,1) Modern Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C and DAA 2200C. Intermediate exploration of form, style, and technique in creative movement, including 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. Form, style, and technique in creative movement. Occasional.

DAA 2393C CAH-THEA 2(2,1) World Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

DAA 2520C CAH-THEA 2(2,1) Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(2,1) Tap Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2520C. Intermediate exploration of form, style, and technique of tap dance. Spring.

DAA 2540 CAH-THEA 2(2,2) Dance Technique I: PR: or CR: THE 2020 or THE 2030 or department consent. The study and application of fundamental dance techniques as they relate to musical theatre dance styles. Occasional.

DAA 2570C CAH-THEA 2(2,1) Jazz Dance: PR: DAA 2200C, and Theatre major, or Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history. Fall, Spring.
DAA 2571C CAH-THEA 2(2,1)
Jazz Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2570C. Intermediate Jazz dance using theory and practice in jazz technique. Spring.

DAA 2610 CAH-THEA 3(3,0)
Dance Improvisation/Composition I: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Fundamental study and exploration of dance composition. Spring.

DAA 2640 CAH-THEA 3(2,2)
Theatre Dance Choreography and Performance: PR: By audition. Students will create and present a piece choreographed and performed by other dancers in concert. May be repeated for credit. Occasional.

DAA 3102C CAH-THEA 2(2,1)
Modern Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Advanced exploration of form, style, and technique in creative movement. May be repeated for credit. Spring.

DAA 3202C CAH-THEA 2(2,1)
Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. Fall.

DAA 3502C CAH-THEA 2(2,1)
Jazz Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2571C. Advanced study of jazz dance, using theory and practice of jazz technique. May be repeated for credit. Fall.

DAA 3524C CAH-THEA 2(2,1)
Tap Dance III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2521C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. Fall.

DAA 3645 CAH-THEA 2(0, VAR)
Choreography Practicum: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C. Student practice in choreographing a concert dance work for public performance. May be repeated for credit 4 times. Spring.

DAA 3680 CAH-THEA 1(0,10)
Dance Performance: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2200C. Student performance in a concert dance work. Students must be registered in a dance technique class. May be repeated for credit. Spring.

DAE 3370 ED-TLP 3(1,2)

DAN 3134 CAH-THEA 3(3,0)
Dance History I: PR: DAA 2200C or DAA 2520C or DAA 2570C or DAA 2393C, and Theatre major, Dance minor, or department consent. The roots, trends, and styles of dance from prehistory through the seventeenth century. Fall.

DEP 2004 COS-PSYCH 3(3,0)
DIG 3855  CAH-DIG  3(3,0)  
Converging Media:  PR:  FIL 3625; Film or Digital Media major, and a minimum grade of "B" (3.0) or better in DIG 3001. Various techniques and strategies for creative storytelling on the Internet. Even Spring.

DIG 4204  CAH-DIG  3(3,0)  
Generating and Manipulating Digital Imagery:  PR:  Grade of "A" in DIG 3485 and a minimum grade of "B" (3.0) or better in DIG 3001. Core techniques for creating and manipulating second and third digital representations. Fall.

DIG 4206C  CAH-DIG  4(3,3)  
New Imagery in Motion Workshop:  PR:  DIG 3355 and successful portfolio review, or C.I. Techniques and mechanics of new approaches to visual communication, new narrative structures, new and emerging media. Even Fall, Odd Spring.

DIG 4323  CAH-DIG  3(3,0)  
Modeling for Visual Language:  PR:  DIG 4780 and a minimum grade of "B" (3.0) or better in DIG 3001. Constructing organic 3D models for non-realtime applications, operating high performance CAD systems, and using higher-order modeling techniques. Introduction to rigging and animation controls, materials, lighting and rendering. Project oriented. Fall, Even Spring.

DIG 4324  CAH-DIG  3(3,0)  
Modeling for Realtime Systems II:  PR:  DIG 4780 and a minimum grade of "B" (3.0) or better in DIG 3001. Advanced techniques for character animation, texture, lighting, rendering. Project oriented. Fall, Even Spring.

DIG 4325C  CAH-DIG  4(3,3)  
Look Modeling Workshop:  PR:  COT 3960 and (DIG 3352 or DIG 3355) and successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. Even Fall, Odd Spring.

DIG 4326C  CAH-DIG  4(3,3)  
Geometrical Modeling Workshop:  PR:  COT 3960 and (DIG 3362 or DIG 3355) and successful portfolio review, or C.I. Techniques and mechanics of designing and manipulating geometrical representations artificial characters and their environments, introduction to procedural models. Odd Spring.

DIG 4359C  CAH-DIG  4(3,3)  
Artificial Environments and Effects Workshop:  PR:  DIG 3355 and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositional, image processing, visual style, visual continuity. Odd Spring.

DIG 4369C  CAH-DIG  4(3,3)  
Artificial Characters Workshop:  PR:  DIG 3362 and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Odd Spring.

DIG 4451C  CAH-DIG  4(3,3)  
Visual Storytelling and Visual Development Workshop:  PR:  DIG 3430 and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4455C  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. Even Fall, Spring.

DIG 4486  CAH-DIG  3(3,0)  

DIG 4522L  CAH-DIG  1(0,3)  
Digital Media Service III:  PR:  DIG 3050L and a minimum grade of "B" (3.0) or better in DIG 3001. Participation as a leader in a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. Fall, Spring.

DIG 4523L  CAH-DIG  1(0,3)  
Digital Media Service IV:  PR:  DIG 4522L and a minimum grade of "B" (3.0) or better in DIG 3001. Participation as a leader in a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. Even Fall, Spring.

DIG 4524L  CAH-DIG  3(0,3)  
Digital Media Project I:  PR:  DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 3001. Multidisciplinary students work with faculty and industry mentors to design and implement a project involving virtual reality, video game production, computer animation, or interaction with the theme park industry. Odd Fall, Even Spring.

DIG 4526C  CAH-DIG  3(2,2)  
Digital Media Production II:  PR:  DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 3001. Management and execution of large media projects, using structured methods and tools learned in Digital Media Production I. Fall, Even Spring.

DIG 4640  CAH-DIG  3(3,0)  
Autonomous Media:  PR:  IDS 3701C and a minimum grade of "B" (3.0) or better in DIG 3001. Applications of concepts derived from research on artificial intelligence, to media and the Internet. Project-based. Occasional.

DIG 4641  CAH-DIG  3(0,3)  
Creative Digital Devices:  PR:  IDS 3701C and ART 2301C and a minimum grade of "B" (3.0) or better in DIG 3001. The physical construction and computer control of electro-mechanical devices, and the use of software libraries for controlling testbed hardware, for entertainment and creative applications. Occasional.

DIG 4645  ECS-CS  3(3,0)  
Digital Media:  PR:  COP 3330C or C.I. Information structures, algorithms and interactive tools for creation, compression, storage, indexing and transmission of multimedia (visual images, sound, tactile displays, etc.) Project-oriented. Occasional.

DIG 4713C  CAH-DIG  3(2,2)  
Game Design:  PR:  DIG 2000 and a minimum grade of "B" (3.0) or better in DIG 3001. Principles of design for interactive games and learning experiences. Psychology of play, storytelling, and character development. Project oriented. Occasional.

DIG 4715C  CAH-DIG  3(2,2)  
Game Engines:  PR:  DIG 2000 and a minimum grade of "B" (3.0) or better in DIG 3001. Principles of 3D interactive graphics and simulation as used in "game engines," software systems for building Internet or PC-based shared virtual worlds. Project oriented. Fall, Spring.

DIG 4716L  CAH-DIG  3(0,3)  
Internet Interaction:  PR:  DIG 2000 or CMS 3175 and a minimum grade of "B" (3.0) or better in DIG 3001 or C.I. Interdisciplinary approach to design and construction of advanced interactive web sites, applying esthetic and scientific principles of user interface design. Project oriented. Fall, Spring.

DIG 4770  ECE-CS  3(0,3)  

DIG 4780  CAH-DIG  3(0,3)  
Modeling for Realtime Graphics:  PR:  DIG 4770, GRA 2101C or other computer graphics experience and a minimum grade of "B" (3.0) or better in DIG 3001 and C.I. Principles of construction of 3D models for realtime applications; use of high performance CAD systems; level of detail management, efficiency vs. visual quality for video games and realtime simulation. Odd Fall, Even Spring.

DIG 4922  CAH-DIG  3(2,2)  
Media for e-Commerce II:  PR:  DIG 4688C and COP 3330 and a minimum grade of "B" (3.0) or better in DIG 3001. Server-side programming in Java to support media-rich E-Commerce applications. Project oriented. Even Spring.

DIG 4931  CAH-DIG  3(3,0)  

DIG 5136C  CAH-DIG  3(1,3)  
Design for Media:  PR:  Graduate standing and C.I. Theories and practices of interactive design for digital media content. Fall.

DIG 5366  CAH-DIG  3(3,0)  
Creating Interactive Characters:  PR:  Admission to Digital Media M.S. or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U. Fall, Spring.

DIG 5550C  CAH-DIG  3(1,3)  
Digital Media Development:  PR:  DIG 5136C or C.I. Students will begin developing projects specified by design documents from Design for Media course. Odd Fall.

DIG 5551C  CAH-DIG  3(1,3)  
Interactive Media Design:  PR:  DIG 4716L and DIG 5286C or equivalent, or C.I. Interdisciplinary approach to design and construction of advanced interactive media, applying theory, aesthetic, and scientific principles of user interaction. Project and theory-based. Even Spring.

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 5647 CAH-DIG 3(3,0) Science & Technology of Dynamic Media: PR: Graduate status or senior standing or C.I. Key scientific, technical issues in interactive media. Information algorithms, objects, models. Theories of computer graphics, sound, modeling, simulation, interfacing, artificial intelligence. Occasional.

DIG 5810 CAH-DIG 3(3,0) Ways of Seeing: Cultural and Technological Perspectives: PR: Admission to Film and Digital Media masters 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 M.S. Prepare a product design document and technical design document for a production project. Graduated SUJ. Fall. Spring.


EAB 3703 COS-PSYCH 4(3,2) Principles of Behavior Modification: PR: EXP 3400. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Lecture/Practicum. Fall.

EAB 3705C COS-PSYCH 4(3,2) Behavior Modification - Part II: PR: EAB 3703, EXP 3604. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. Occasional.

EAB 5765 COS-PSYCH 3(3,0) Applied Behavior Analysis with Children and Youth: PR: DEP 5507 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: Sophomore standing. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics; airfoil theory, external and internal flows; aircraft 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 3810C ECS-MMAE 2(1,3) Design of Aerospace Experiments: PR: EAS 3800C and EAS 3010. Extension of EAS 3800C: Design of experiments in aeronautical/aerospace systems with emphasis on project team activity. Spring.

EAS 4105 ECS-MMAE 3(3,0) Flight Mechanics: PR: EAS 3010 and EML 4512C. Analysis and design of aircraft performance, static and dynamic stability and automatic control systems. Fall.

EAS 4134 ECS-MMAE 3(3,0) High-Speed Aerodynamics: PR: EGN 3434, EML 3701, EAS 3800C. Continuation of EAS 3011. Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layers and applications to the design process. Fall.


EAS 4400 ECS-MMAE 3(3,0) Aerothermodynamics of Propulsion Systems: PR: EAS 4134 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbojets, ramjets and rockets. Spring.

EAS 4410 ECS-MMAE 3(3,0) Spacecraft Attitude Dynamics: PR: EGN 3321, EGM 3601 and EGM 3603. Kinematics and dynamics of rigid and multibody spacecraft rotational motion. Attitude control with momentum exchange actuators and thrusters. Occasional.


EAS 4700C ECS-MMAE 3(1,6) Aerospace Design I: PR: EAS 3610C, CR: EML 4512C. Application of the design process to the team solution of a state-of-the-art problem. Airplanes and space vehicles, systems and devices are considered. Fall. Spring.

EAS 4710C ECS-MMAE 3(1,6) Aerospace Design II: PR: EAS 4700C. Continuation of the design process in the team building and testing of a prototype/model of an airplane, spacecraft, system or device. Fall. Spring. M&S fee: $45.00


EAS 5302 ECS-MMAE 3(3,0) Direct Energy Conversion: PR: EML 3101 and EML 4142. Direct methods of energy conversion; particular emphasis on fuel cells, thermoelectrics, thermonics, solar energy, photovoltaics and magnetohydrodynamics. Analysis and systems design. Occasional.


EAS 5407 ECS-MMAE 3(3,0) Mechatronic Systems: PR: EML 3804C or EML 3404C. Discrete control techniques for aerospace mechatronic systems. Controller design, test and evaluation applications. Odd Spring.

EAS 5535 ECS-MMAE 3(3,0) Engineering Design for Aerospace Vehicles: PR: EAS 4700C; EAS 4710C; EML 4520C; EML 4522C; or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.


ECM 5741C ECS-EC 3(2,3) Microcomputer-based Monitoring and Control Systems: PR: EEL 3342C, EEL 4767C or C.I. Machine language programming; software development aids; systems design; interfacing considerations. Occasional.

ECO 2013 BA-ECON 3(3,0) Principles of Macroeconomics: An introduction to macroeconomics, including an overview of the market economy; national income, employment, and price level determination; stabilization policies, and international economics. Fall, Spring.

ECO 2013H BA-ECON 3(3,0) Honors Principles of Economics I: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall, Spring.

ECO 2023 BA-ECON 3(3,0) Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.
UCF Courses and Descriptions

ECO 2023H BA-ECON 3(3,0)

ECO 3070 BA-ECON 1(1,0)
Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. May be repeated for credit up to 3 times. Graded S/U. Fall, Spring.

ECO 3101 BA-ECON 3(3,0)

ECO 3203 BA-ECON 3(3,0)

ECO 3223 BA-ECON 3(3,0)

ECO 3401 BA-ECON 3(3,0)

ECO 3401H BA-ECON 3(3,0)

ECO 3402 BA-ECON 3(3,0)

ECO 3410 BA-ECON 3(3,0)
Mathematical Economics: PR: ECO 3401 or MAC 2233. Mathematical methods with particular focus on microeconomic foundations of individual decision-making. Even Spring.

ECO 3411 BA-ECON 3(3,0)
Quantitative Business Tools II: PR: Junior standing and business major or minor, ECO 3203, ECO 3401, and ECO 3403. 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)

ECO 3703 BA-ECON 3(3,0)
International Trade: PR: ECO 3070 and ECO 2023. Fundamental principles of international trade and foreign exchange, including the balance of payments and problems of foreign economic policy. Fall.

ECO 3723 BA-ECON 3(3,0)

ECO 4030 BA-ECON 3(3,0)

ECO 4412 BA-ECON 3(3,0)
Econometrics: PR: ECO 3203, ECO 3401, 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 4504 BA-ECON 3(3,0)

ECO 4701 BA-ECON 3(3,0)

ECO 4941 BA-ECON 3(3,0)

ECO 5005 BA-ECON 3(3,0)

ECO 5006 BA-ECON 1.5(1.5,0)

ECO 5414 BA-ECON 1.5(1.5,0)
Statistical Foundations: PR: Acceptance to Graduate Study. Statistical theory and problems relating to business economics, including time series and correlation theory, index number theory and statistical inference. Fall, Spring.

ECS 4302 BA-ECON 3(3,0)

ECS 4403 BA-ECON 3(3,0)
Industrial Organization and Game Theory: PR: ECO 3070 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.

ECS 4703 BA-ECON 3(3,0)
Managerial Economics: PR: Junior standing, ACG 2071, ECO 3070, ECO 2023 and ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Open for non-majors ONLY. Spring.

ECS 4913 BA-ECON 3(3,0)

ECS 4924 BA-ECON 3(3,0)

ECS 4921 BA-ECON 3(3,0)

ECS 4933 BA-ECON 3(3,0)
Economics of European Integration: PR: ECO 3070 and ECO 2023. Presents the development of the European Community with emphasis on the characteristics of the Single European Act (EC '92). Occasional.

ECS 4442H BA-ECON 3(3,0)

EDE 3942 ED-ES 3(3,0)
Introduction to Educational Internship: PR: EDG 4323, RED 3012, MAE 2801, TSL 4800. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 4943 ED-ES 7-12(0,35)

EDF 1075 ED-TLP 3(3,0)
Introduction to Educational Internship: PR: EDE 3942. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Even Spring.

EDF 3005 ED-TLP 3(3,0)
Introduction to Education: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.
EDF 2283 ED-ES 3(3,0) Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EDF 3120 ED-ES 3(3,0) Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.


EDF 3601 ED-ES 3(3,0) Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDF 3740 ED-ES 3(3,0) Foundations of Early Childhood Education: PR: Admission to the program. Overview of Early Childhood Education and services for young children and families. Includes historical, philosophical, and sociological perspectives; learning theories as related to early childhood. Occasional.

EDF 4214 ED-ES 3(3,0) Classroom Learning Principles: PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EDF 4282 ED-ERTL 3(3,0) Applications of Technology in Education: Classroom applications of instructional media, including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

EDF 4466 ED-ERTL 3(3,0) Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Graded SU. Occasional.

EDF 4603 ED-ES 3(3,0) Analysis of Critical Issues in Education: PR: EDF 4214 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 5245 ED-ES 3(3,0) Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.

EDF 5607 ED-ES 3(3,0) Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005C ED-ES 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2701 ED-ES 3(3,0) Teaching Diverse Populations: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDG 4233 ED-ES 3(3,0) Professional Teaching Practices: PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaption of instruction for diverse student populations. Fall, Spring.

EDG 4941 ED-ES 1-8(0-1-8) 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 212 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 teachers. Occasional.

EDH 5306 ECS-MMAE 1(1,0) Teaching Methods in Engineering: PR: graduate standing in an engineering discipline. This course will cover various teaching pedagogy to help engineering students become better TAs and help students deliver better technical presentations. Occasional.

EDS 5356 ED-ERTL 3(2,1) Supervision of Professional Laboratory Experiences: PR: C.I. Study of the undergraduate professional laboratory experiences program, with emphasis on the role and responsibilities of the Teacher Education Associate or Supervising Teacher. Occasional.


EEC 3268 ED-CFCs 3(3,0) Play Development: Explores play development, facilitation, intervention and assessment. Designing play environments is emphasized. Fall.

EEC 3301 ED-CFCs 3(3,0) Active Learning Teaching Strategies: Studies an integrated development-interactionist approach to curriculum planning and design. Equipment selection, room arrangements, daily schedules and active learning teaching strategies are emphasized. Occasional.

EEC 3613 ED-CFCs 3(3,0) Observation and Assessment of Young Children: PR: Admission to the program. Appropriate methods for diagnosing, assessing, and evaluating young children, including children with diverse cultural and ethnic backgrounds. Appropriate interventions, remediations, and enrichment. Occasional.

EEC 3700 ED-CFCs 3(3,0) Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implications for curriculum development. Occasional.

EEC 3940 ED-CFCs 3(0,3) Integration Internship I: PR: Senior Status; RED 4311 or RED 3310. Field based placement in which the students will have supervised practice integrating course content areas. Occasional.

EEC 4266 ED-CFCs 3(3,0) Early Intervention: Provides an overview of development assessment, and intervention with at-risk and handicapped infants and toddlers. Occasional.

EEC 4402 ED-CFCs 3(3,0) Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EEC 4524 ED-CFCs 3(3,0) Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

EEC 4528 ED-CFCs 3(3,0) Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.


EEC 4731 ED-CFCs 3(3,0) Health, Safety, and Nutrition for Young Children: Health and safety issues in early childhood (0-8). Protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.


EEC 4943 ED-CFCs 12(0.12) Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded SU. Occasional.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>EEC 5205</td>
<td>Programs and Trends in Early Childhood Education</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>EEC 5206</td>
<td>Organization of Instruction in Early Childhood Education</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>EEC 5208</td>
<td>Creative Activities in Early Childhood</td>
<td>3(3,0)</td>
<td>PR: Regular Certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. Even Fall.</td>
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<tr>
<td>EED 3250</td>
<td>Behavioral Issues of the Emotionally Handicapped</td>
<td>3(3,0)</td>
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<tr>
<td>EED 4011</td>
<td>Introduction to the Emotionally Disturbed</td>
<td>4(4,0)</td>
<td>PR: Senior standing. Development and practice of appropriate cognitive, affective, and motor strategies for selected categories, levels, and degrees of severity of exceptional population. Occasional.</td>
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<tr>
<td>EED 4210</td>
<td>Curriculum and Program Adaptation, E.H.: Development of highly specialized curriculum and identification, evaluation, modification, and use of curriculum materials and programs for students with emotional handicaps. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>EED 4243</td>
<td>Teaching the Emotionally Handicapped</td>
<td>3(3,0)</td>
<td>Instructional strategies with emphasis on motivational strategies, development, implementation and evaluation of the IEP, modification of regular education instructional practices, crisis intervention and prevention. Occasional.</td>
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<tr>
<td>EED 4244</td>
<td>Instructional Strategies and Curriculum for Students with Emotional Handicaps</td>
<td>2(0,0)</td>
<td>PR: EEX 2010. Instructional strategies and specialized curriculum for teaching students with emotional handicaps with emphasis on instructional techniques and use of curriculum materials and programs. Occasional.</td>
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<tr>
<td>EEL 3004</td>
<td>Electrical Networks</td>
<td>3(3,0)</td>
<td>PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049, CR: MAP 2302 (to enroll in this course, a C or better for the above courses is required). Analysis and design of linear circuits, transients, ac analysis, power calculations, three-phase circuits, Laplace transform. Fall, Spring.</td>
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<tr>
<td>EEL 3041</td>
<td>Circuit Analysis</td>
<td>3(3,0)</td>
<td>PR: PHY 2033C. Study of electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, power distribution and dissipation are covered with examples relating to cables, connections, and buses. Not open to EE and CPE majors. Fall, Spring.</td>
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</tr>
<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
<td>4(3,1)</td>
<td>PR: EEL 3004. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and Z-transforms. Fall, Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>EEL 3306</td>
<td>Semiconductor Devices I</td>
<td>3(3,0)</td>
<td>PR: EEL 3004. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.</td>
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<tr>
<td>EEL 3307C</td>
<td>Electronics I</td>
<td>3(3,0)</td>
<td>PR: EEL 3123C, EEL 3306. Electronic devices, analog electronic circuits, amplifier analysis and design, and frequency effects. Fall, Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>EEL 3342C</td>
<td>Introduction to Digital Circuits and Systems</td>
<td>3(2,3)</td>
<td>PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049 or C.I. (to enroll in this course, a C or better for the above courses is required). Switching theory and devices. Combinational and sequential logic. Logic design using standard components such as ROM, arithmetic units, multiplexers, registers, and counters. Fall, Spring.</td>
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<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields</td>
<td>3(3,0)</td>
<td>PR: EEL 3004. Electric and magnetic fields and electromagnetic waves. Fall, Spring.</td>
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<tr>
<td>EEL 3520</td>
<td>Information Theory</td>
<td>3(3,0)</td>
<td>PR: MAC 2147. Fundamentals of information theory and communication systems. Topics include; the definition of information, band width and frequency spectrum, systems design, filters, modulations, demodulators, antennas, and wireless communications. Not open to EE or CPE majors. Fall, Spring.</td>
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<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communication Fundamentals</td>
<td>4(3,3)</td>
<td>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&amp;S fee: $15.00</td>
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<tr>
<td>EEL 3657</td>
<td>Linear Control Systems</td>
<td>3(3,0)</td>
<td>PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.</td>
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<tr>
<td>EEL 3801C</td>
<td>Introduction to Computer Engineering</td>
<td>3(2,3)</td>
<td>PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049, CR: EEL 3342C (to enroll in this course, a C or better for the above courses is required). Introduction to the field of computer engineering. Engineering applications of advanced C-language concepts. C++ topics and applications. Basic computer organization. Assembly language programming. Fall, Spring.</td>
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<tr>
<td>EEL 4130</td>
<td>Fundamentals of Continuous Simulation</td>
<td>3(3,0)</td>
<td>PR: MAP 2302. Fundamental concepts of continuous system simulation. Numerical integration, math modeling, simulation software. May be repeated for credit. Occasional.</td>
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<tr>
<td>EEL 4140C</td>
<td>Analog Filter Design</td>
<td>4(3,3)</td>
<td>PR: EEL 3123C. Passive and active analog filter design. Fall, Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>EEL 4205</td>
<td>Electric Machinery</td>
<td>3(3,0)</td>
<td>PR: EEL 3004. Fundamentals of DC and AC electric machines. Occasional.</td>
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<tr>
<td>EEL 4216</td>
<td>Fundamentals of Electric Power Systems</td>
<td>3(3,0)</td>
<td>PR: EEL 3004 or C.I. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.</td>
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<tr>
<td>EEL 4309C</td>
<td>Electronics II</td>
<td>4(3,3)</td>
<td>PR: EEL 3307C, EEL 3342C. Ideal Op-Amps and applications. Introduction to Logic Circuits; Bipolar, MOS and CMOS families; Flip-flops and memory cells, comparators and timing circuits; A/D and D/A converters. Fall, Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>EEL 4314</td>
<td>Device Electronics for Integrated Circuits</td>
<td>3(3,0)</td>
<td>PR: EEL 3306, P.N. Junctions, Bipolar Transistor Analysis, Metal Semiconductor contacts, MOS Systems MOSFET Analysis and Limitations. Occasional.</td>
<td></td>
</tr>
<tr>
<td>EEL 4436C</td>
<td>Microwave Engineering</td>
<td>4(3,3)</td>
<td>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&amp;S fee: $15.00</td>
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<tr>
<td>EEL 4440</td>
<td>Optical Engineering</td>
<td>3(3,0)</td>
<td>PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. Spring.</td>
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<tr>
<td>EEL 4512C</td>
<td>Communication Systems</td>
<td>4(3,3)</td>
<td>PR: STA 3032, EEL 3552C and EEL 3307C. Information transmission, modulation, and noise; design and comparison systems in the presence of noise. Occasional. M&amp;S fee: $15.00</td>
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<tr>
<td>EEL 4515C</td>
<td>Digital Communication Systems</td>
<td>4(3,3)</td>
<td>PR: EEL 3552C. Sampling and quantization, PAM, PWM, PPM, PCM, and Delta Modulation ASK, FSK, PSK, MPSK, introduction to coding. Fall, M&amp;S fee: $15.00</td>
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<tr>
<td>EEL 4518</td>
<td>Satellite Communications</td>
<td>3(3,0)</td>
<td>PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.</td>
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<tr>
<td>EEL 4612</td>
<td>Introduction to Modern and Robust Control</td>
<td>3(3,0)</td>
<td>PR: EEL 3657. Classical control theory including differential equations and Laplace transform techniques, stability analysis, and classical frequency domain design. Occasional.</td>
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<tr>
<td>EEL 4635C</td>
<td>Computer Control Systems</td>
<td>4(3,3)</td>
<td>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&amp;S fee: $15.00</td>
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<tr>
<td>EEL 4664</td>
<td>Autonomous Robotic Systems</td>
<td>3(3,0)</td>
<td>PR: EEL 3657. Robotics with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Occasional.</td>
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<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals</td>
<td>3(3,0)</td>
<td>PR: EEL 3552C. Study of discrete-time signals and systems, Z-transforms, DFT introduction to digital filter design. Fall, Spring.</td>
<td></td>
</tr>
</tbody>
</table>
Data link control. Routing and flow control. Internetworking.

Computer System Design I: PR: EEL 3432C and EEL 3801C. Basic computer organization and design. Computer performance metrics, introduction to processor, memory and I/O organization and design. Assembly language programming and microprocessor based design. Fall, Spring. M&S fee: $30.00

Computer System Design II: PR: EEL 3476C and EEL 4854C. Continuation of EEL 3476C. Control and datapath design using a hardware description language, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory and RISC. Fall, Spring. M&S fee: $30.00


Computer-Aided Engineering Design: PR: EEL 4768C. Review of currently available CAE tools for digital hardware and software design applications. Occasional. M&S fee: $5.00

Telemetry and Space Computer Systems: PR: EEL 3552C and EEL 3801C, EEL 3657, EEL 3307C, EEL 3470. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system "inertial upper stages". Occasional.

EEL 4817H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4817H. Research topics in machine learning that are of current interest to the Machine Learning community. Students will be assigned a research project. With Honors consent. Occasional.

EEL 4818H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 4818H. Research topics in machine learning that are of current interest to the Machine Learning community. Students will be assigned a research project. With Honors consent. Occasional.

EEL 4832 ECS-ECE 3(3,0) Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of differential 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 4872 ECS-ECE 3(3,0) Engineering Applications of Intelligent Systems: PR: EEL 4851C. Intelligent models, computer vision, natural language understanding, pattern analysis, knowledge-based systems, symbolic programming, and advanced architectures. Occasional.

EEL 4882 ECS-ECE 3(3,0) Engineering Systems Software: PR: EEL 4851C and EEL 4767C. Introduction to operating systems concepts and facilities for engineering applications, including 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


Senior Design I: PR: EEL 3307C, EEL 3657, and EEL 3552C. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. Fall, Spring. M&S fee: $15.00


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.

Thin Film Technology: PR: EEL 3306 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee: $30.00


Semiconductor Device Modeling and Simulation: PR: EEL 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithms, and SPICE simulator are included. Spring.

Fabrication of Solid-State Devices: PR: EEL 3306. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. Fall, Spring. M&S fee: $45.00


CMOS Analog and Digital Circuit Design: PR: EEL 4309C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

Full-Custom VLSI Design: PR: EEL 3342C, EEL 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification. Spring.


Microwave Circuits and Devices: PR: EEL 4436C or EEL 5555C. Planar transmission lines, passive microwave circuits; active circuit design using Gunn, IMPATT, FETS, RTDS, etc.: microwave integrated circuits. Occasional.

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


Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.


EEL 5630 ECS-ECE 3(3,0)

EEL 5704 ECS-ECE 3(3,0)

EEL 5708 ECS-ECE 3(3,0)

EEL 5722C ECS-ECE 3(3,1)
Field-Programmable Gate Array (FPGA) Design: PR: EEL 4767C or C.I. FPGA architecture and design flow; applications; logic synthesis; technology mapping; placement; routing; multi-FPGA systems; multi-context; reconfigurable computing; evolvable hardware. Even Fall.

EEL 5762 ECS-ECE 3(3,0)

EEL 5771C ECS-ECE 3(2,3)
Engineering Applications of Computer Graphics: PR: EGN 3420 or C.I. Computer graphics in engineering applications. Laboratory assignments. Occasional. M&S fee: $5.00

EEL 5780 ECS-ECE 3(3,0)
Wireless Networks: PR: EEL 4762 or C.I. The wireless networking topics include: cellular networks, multiple access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). Even Spring.

EEL 5820 ECS-ECE 3(3,0)
Image Processing: PR: MAP 2302, EGN 3420, EEL 4750 or C.I. Digital signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS-ECE 3(3,0)
Pattern Recognition: PR: MAP 2302, EGN 3420. Graph-theoretic and syntactic methods of pattern analysis. Decision functions; optimum decision criteria; training algorithms; feature extraction; unsupervised learning; data reduction and potential functions. Occasional.

EEL 5860 ECS-ECE 3(3,0)

EEL 5874 ECS-ECE 3(3,0)
Expert Systems and Knowledge Engineering: PR: EEL 4872 or C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5881 ECS-ECE 3(3,0)
Software Engineering I: PR: EGN 3420, EEL 4851C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall. Spring.

EEL 5892 ECS-ECE 3(3,0)

EES 3004 ECS-ECE 3(3,0)
Environmental systems: PR: One semester of college level science, prefer Chemistry or Biology. A technical literacy course in environmental systems for wastewater, drinking water, groundwater, soil, and air treatment for non-engineering majors. Occasional.

EES 4111C ECS-CSE 3(2,3)
Biological Process Control: CR: ENV 4561. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bioenergy products, wastewater treatment, and others. Spring. M&S fee: $45.00

EES 4202C ECS-CSE 3(3,3)
Chemical Process Control: PR: ENV 3001. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee: $45.00

EES 5318 ECS-CSE 3(3,0)
Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.

EES 5605 ECS-CSE 3(3,0)

EET 2025C ECS-ENT 4(3,2)
Electrical Circuits: PR: EET 1015C or EET 3085C. Frequency domain and steady state analysis of electric circuits; RCL circuits, timed circuits, resonance and "Q" filters, magnetically coupled circuits, transformers, 3-phase circuits, power relationships. Occasional. M&S fee: $10.00

EET 3085C ECS-ENT 4(3,2)

EET 3143C ECS-ENT 4(3,2)

EET 3716 ECS-ENT 3(3,0)

EET 4158C ECS-ENT 3(2,2)
Linear Integrated Circuits: PR: EET 3716, or Consent of Coordinator. Applications of operational amplifiers, comparators, phase-locked loops, timers, regulators, other integrated circuits. Includes amplifiers, active filters, oscillators, differentiators and integrators. Fall. M&S fee: $10.00

EET 4329C ECS-ENT 4(3,2)

EET 4339C ECS-ENT 3(2,2)

EET 4359C ECS-ENT 4(3,2)

EET 4389C ECS-ENT 3(2,2)

EET 4548 ECS-ENT 3(3,0)
Power Systems: PR: EET 2025C or equivalent. Analysis of electrical power systems and energy conversion. 3-phase load, per-unit quantities, circuit constants, rotating machines, 3-phase transformers, transmission lines, power flow, stability and fault calculations. Fall.

EET 4732C ECS-ENT 4(3,3)

EET 4915C ECS-ENT 3(1,4)
Senior Design Project: PR: Electronics Engineering Technology senior entering anticipated graduation semester or C.I. Individual or group project involving project definition planning, development, test and evaluation. Progress reports, final oral presentation and final written report required. Occasional.

EEX 2010 ED-CFCS 3(3,0)
Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

EEX 2310 ED-CFCS 3(3,0)
Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individ- uals with exceptionalities. Fall, Even Spring.
Introduction to Behavior Management: Needs Students:
EEX 4054 ED-CFCS 2(2,0)
Curriculum and Instructional Strategies for Special
Needs Students: PR: EEX 2010, EEX 4054, EEX 3241, EDG 4323, RED 3012, LAE 4314, MAE 2801. Development of highly specialized techniques and curriculum materials to be used with students with emotional, learning, cognitive and physical disabilities. Occasional.
EEX 4061 ED-CFCS 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.
EIN 4545C  ECS-IEMS  3(2,2)  Industrial Engineering Applications in The Service Industries.  PR: EIN 3141C, ESI 4312, ESI 4243 or CI.  Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc.  Even Fall.

EIN 4621C  ECS-IEMS  3(2,2)  Computer-Aided-Manufacturing: PR: EIN 4391C.  Computer-Aided-Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP).  Occasional.  M&S fee: $45.00

EIN 4891C  ECS-IEMS  3(2,3)  Industrial Engineering Senior Design Project: PR: EIN 4516C, Senior standing.  Capstone design course; application of IEMS techniques to real-world design applications.  Spring.  M&S fee: $15.00

EIN 5108  ECS-IEMS  3(3,0)  The Environment of Technical Organizations: PR: Graduate status or CI.  EGN 4624 recommended.  Presentation and investigation into the principles required to transform technocrats 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, equipments, 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 walkthroughs; heuristic, review-based, model-based, empirical and story-board evaluation; techniques; query techniques; laboratory techniques; and field study approaches.  Spring.

EIN 5255C  ECS-IEMS  3(2,2)  Interactive Simulation: PR: Graduate standing or C.I.  Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment.  Fall, Spring.

EIN 5317  ECS-IEMS  3(3,0)  Training System Design: PR: seniors, post bac or graduate standing or CI.  How human performance deficiencies should be addressed from a systems design point of view.  Manpower, personnel, and training considerations will be examined.  Fall.

EIN 5346  ECS-IEMS  3(3,0)  Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support.  Occasional.

EIN 5356  ECS-IEMS  3(3,0)  Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle.  Occasional.
EMI 5060 ECS-MMAE 3(3,0) Polymer Science and Engineering: PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.


EMI 5108 ECS-MMAE 3(3,0) Surface Science: PR: PHY 2049 and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. Occasional.

EMI 5140 ECS-MMAE 3(3,0) Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EMI 5504 ECS-MMAE 3(2,2) Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and Auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMI 5505 ECS-MMAE 3(2,2) Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beams/specimen interactions, imaging formation, x-ray analysis, specimen preparation, microelectronic applications and cryotomography in the SEM. Occasional.

EMI 5517 ECS-MMAE 3(2,2) Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C.I. Principle of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectrometry. May be repeated for credit. Occasional.


EMI 5585 ECS-MMAE 3(3,0) Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EMI 5586 ECS-MMAE 3(3,0) Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AMO-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


EMI 5588 ECS-MMAE 3(3,0) Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; Cell-biomaterial interactions; Engineered bone & cartilage; Soft-tissue replacements; Total hip replacements; Nanostructured biomaterials; Imaging techniques, Preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.


EMI 5705 ECS-MMAE 3(3,0) High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

EME 2040 ED-ERTL 3(1,0) Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall, Spring. M&S fee: $3.00.

EME 5050 ED-ERTL 3(3,0) Fundamentals of Technology for Educators: PR: Post-bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

EME 5051 ED-ERTL 3(3,0) Technologies of Instruction & Information Management: PR: Acceptance into Ed Media program or C.I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

EME 5053 ED-ERTL 3(3,0) Electronic Resources for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

EME 5057 ED-ERTL 3(3,0) Communication for Instructional Systems—Application: Applications of technology, communications theory, platform skills, and instructional design to the effective presentation of training programs and instruction. Occasional.

EMI 5208 ED-TLP 3(3,0) Production Techniques for Instructional Settings: PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. Spring.

EMI 5225 ED-TLP 3(3,0) Media for Children and Young Adults: PR: Acceptance into Ed Media Program or C.I. Survey of materials for children’s and young adults’ informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. Spring.

EMI 5810 ED-TLP 1(1,0) Teaching and Learning with Technology: Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. (May be repeated 3 times for credit.) Occasional.


ELM 3101 ECS-MMAE 3(3,0) Thermodynamics of Mechanical Systems: PR: EGN 3343. Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. Fall.

ELM 3262 ECS-MMAE 3(3,0) Kinematics of Mechanisms: PR: EGN 3321. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.


ELM 3701 ECS-MMAE 3(3,0) Fluid Mechanics I: PR: MAP 2302, EGN 3321, EGN 3343. Basic principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4005</td>
<td>Design of Mechanical and Structural Systems</td>
<td>3(3,0)</td>
<td>Design for mechanical and structural systems. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.</td>
</tr>
<tr>
<td>EML 4024C</td>
<td>Engineering Design Practice</td>
<td>3(2,2)</td>
<td>Engineering Design Practice: PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.</td>
</tr>
<tr>
<td>EML 4260</td>
<td>Dynamics of Machinery</td>
<td>3(3,0)</td>
<td>Dynamics of Machinery: PR: EML 3652 and EML 4220. Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. Occasional.</td>
</tr>
<tr>
<td>EML 4264</td>
<td>Vehicle Dynamics</td>
<td>3(3,0)</td>
<td>Vehicle Dynamics: PR: EML 3652 and EML 4220. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover. Occasional.</td>
</tr>
<tr>
<td>EML 4304C</td>
<td>Thermo-Fluids Measurements</td>
<td>2(1,3)</td>
<td>Thermo-Fluids Measurements: PR: EML 3303C and EML 4142. Measurements in thermo-fluid systems with emphasis on design of experiments. Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>EML 4312C</td>
<td>System Control Design</td>
<td>3(2,3)</td>
<td>Feedback Control: PR: EGN 3321, MAP 2302, and EML 3373 and EML 4200 or EAS 4210C. Mathematical modeling of dynamic systems: transient and steady state response; Root Loci and z-transform methods; discrete systems analysis; controller design. Fall.</td>
</tr>
<tr>
<td>EML 4411</td>
<td>Mechanical Power Systems</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EML 4501C</td>
<td>Engineering Design</td>
<td>3(1,6)</td>
<td>Engineering Design I: PR: EML 3500, EML 3701 and EML 3339C. Application of the design process in the team solution of a state-of-the-art problem. Aerospace, mechanical, thermal-fluid, or material problems are considered. Fall. Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II</td>
<td>3(1,6)</td>
<td>Engineering Design II: PR: EML 4501C. Continuation of the design process in the team building and testing of a prototype. A test plan and a test report are completed. Fall, Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>EML 4535C</td>
<td>CAD/CAM: Design</td>
<td>3(2,3)</td>
<td>CAD/CAM: PR: EGN 3343, EML 3034C, and EGM 3601; CR EAS 4200 or EML 3500 CAD/CAM/FEM computer aided design and computational technology. Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>EML 4600</td>
<td>HVAC Systems Engineering</td>
<td>3(3,0)</td>
<td>HVAC Systems Engineering: PR: EML 3101 and EML 4220. Heat transfer, airflow, distribution and refrigeration principles and systems design. Psychrometrics, heating and cooling loads, equipment and components, and distribution systems. Fall.</td>
</tr>
<tr>
<td>EML 4703</td>
<td>Fluid Mechanics I</td>
<td>3(3,0)</td>
<td>Fluid Mechanics I: PR: EML 3701. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects. Fall.</td>
</tr>
<tr>
<td>EML 5006</td>
<td>Mathematical Methods in Mechanical, Materials and Aerospace Engineering</td>
<td>3(3,0)</td>
<td>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 inverse transforms, variable coefficient ODEs and solution of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics. Fall.</td>
</tr>
<tr>
<td>EML 5105</td>
<td>Gas Kinetics and Statistical Thermodynamics</td>
<td>3(3,0)</td>
<td>Gas Kinetics and Statistical Thermodynamics: PR: EAG 4314 or EML 4703. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. Occasional.</td>
</tr>
<tr>
<td>EML 5211</td>
<td>Continuum Mechanics</td>
<td>3(3,0)</td>
<td>Continuum Mechanics: PR: EML 3500 or EML 4703 or EAS 4200 or C.I. Introduction to tensors; deformation and strain; stress; balance laws, applications in Newtonian fluid dynamics and isotropic linear elasticity. Fall.</td>
</tr>
<tr>
<td>EML 5224</td>
<td>Acoustics</td>
<td>3(3,0)</td>
<td>Acoustics: PR: EML 4220. CR: EML 5060. Elements of vibration theory and wave motion; radiation, reflection, absorption, and transmission of acoustic waves; architectural acoustics; control and abatement of environmental noise pollution; transducers. Occasional.</td>
</tr>
<tr>
<td>EML 5245</td>
<td>Tribology</td>
<td>3(3,0)</td>
<td>Tribology: PR: EGN 3365, EGN 3361 and EGM 3601. Principles of fluid film lubrication (liquid and gas, journal and thrust bearings), contact mechanics, controlling element bearings, design of bearings and load bearing surfaces, friction and wear of materials, tribostesting. Occasional.</td>
</tr>
<tr>
<td>EML 5291</td>
<td>MEMS Materials</td>
<td>3(3,0)</td>
<td>MEMS Materials: PR: EML 5060, EML 5211, or C.I. Introduction of materials that are frequently used for MEMS applications such as silicon, silicon dioxide, polysilicon, metal, and polymer. The course will focus on fundamental principles involved in structures and properties of the materials, and their applications in MEMS. Even Spring.</td>
</tr>
<tr>
<td>EML 5402</td>
<td>Turbomachinery</td>
<td>3(3,0)</td>
<td>Turbomachinery: PR: EML 5101, EML 4703 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. Occasional.</td>
</tr>
<tr>
<td>EML 5532C</td>
<td>Computer-Aided Design for Manufacturing</td>
<td>3(2,3)</td>
<td>Computer-Aided Design for Manufacturing: PR: EGN 4535C. Builds on introductory material covered in EML 4535C. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems. Even Fall. Spring. M&amp;S fee: $15.00</td>
</tr>
</tbody>
</table>
odd spring.

recognition of trends and standards.

tution, identification, and application of effective practices and

mechanics of structure of components of composi-
tional elements under static, thermal, vibratory loads. Instability.

laminar streamline theory, energy methods, failure theo-

dies, and structural joining methods. occasional.

mechanics of biostructures i: pr: graduate standing or c.i.

part of a two semester course. Mechanical analysis of hard (bone) and

soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. even fall.

mechanics of biostructures ii: pr: eml 5587c. part ii of a
two semester course. Mechanical analysis of hard (bone) and

soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. even fall, odd spring.

applied hvac engineering: pr: eml 4600. Applications of

hvac systems design with the objective of optimizing energy efficiency, humidity control, ventilation and indoor air quality. may be repeated for credit. occasional.

hvac systems engineering: pr: eml 3101, eml 4142, eml 3034c. heating, ventilation, air-conditions and refrigerator principles, system design and analysis. may be repeated for credit. odd fall.

intermediate fluid mechanics: pr: eml 4703 cr: eml 5060. fluid kinematics; conservation equations; navier-

stokes equations; boundary layer flow, inviscid flow, circulation and vorticity, low reynolds number flow, turbulence. occasional.


mechanical, materials, & aerospace engineering graduate seminar: mmae graduate student seminar. graded su. occasional.

intro to mental retardation: nature and needs of mental-

ly handicapped students with emphasis on etiology, preserva-

tion, identification, and application of effective practices and recognition of trends and standards. occasional.

teaching students with mental handicaps: pr: eex 2010. relationship between the characteristics of students with mental handicaps and specialized instructional materials, strategies and curriculum. occasional.

theory and practice of technical writing: pr: enc 1102, junior standing, or c.i. provides definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general english studies. fall, spring.

honors theory and practice of technical writing: pr: score of 60+ on tswe of sat or c.i. and permission of honors. expository writing with emphasis on effective communication and critical thinking. emphasizing the writing process writing topics are based on selected readings and on student experiences. the "nc" grading policy applies to this course. honors-level content. fall, spring.

honors freshman composition ii: pr: enc 1101h with a grade of "c-" or better. focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. the "nc" grading policy applies to this course. fall, spring.

honors freshman composition ii: pr: pr: enc 1101h with a grade of "c-" or better. focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. the "nc" grading policy applies to this course. fall, spring.

grammar and composition: a systematic study of gram-

mar and mechanics to improve editing for clarity and accu-

racy in writing. occasional.

writing for the business professional: pr: pr: enc 1102, junior standing or c.i. emphasis on clear expository writing of memoranda, reports, and articles in the student's declared field of business. occasional.

digital literacy for the liberal arts: designed to help stu-

dents better understand how computer technologies have shaped our culture and ourselves; to become critical consumers of technology; to acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. occasional.

theory and practice of technical writing: pr: pr: enc 1102, junior standing, or c.i. provides definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general english studies. fall, spring.

honors theory and practice of technical writing: pr: permission of honors and enc 1102h or equivalent credit. taught at honors level. instruction and practice in expository prose used in technical writing, layout and design of data, and translation of technical documents for the lay audience. occasional.

writing for the technical professional: pr: permission of honors and enc 1102h or equivalent credit. taught at honors level. instruction and practice in expository prose used in technical writing, layout and design of data, and translation of technical documents for the lay audience. occasional.

professional writing: pr: enc 1102, junior standing, and 12 upper division hours in the student's major. Major ele-

ments of professional writing with emphasis on composition of reports, proposals, letters, and memos. fall, spring.

magazine writing i: pr: grade of c (2.0) or better required in enc 1102. intensive practice in description narration, exposition and argumentation; control of tone, mood, viewpoint, and level of diction. applicable to article, essay, and short story writing. fall, spring.

individualized topics of study and/or research in writing with personalized faculty direction. may be repeated for credit. occasional.

journal writing practicum: an interdisciplinary practicum in journal writing as a literary genre and a means of self-

expansion. occasional.

technical publication and project management: pr:

enc 3211 or enc 3241 or c.i. new publishing technology, stressing composition and printing; word processing, auto-
mated text processing, methods of reproduction. introduction of graphic, style, format, layout, and board.

work. spring.

the visual in technical documentation: pr: enc 4293. relevant theories of the visual and their application to tech-

nical communication practice. fall.

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 logi-

tical challenges. occasional.

writing for the computer industry: pr: enc 1102 and

junior standing, or c.i. creating different kinds of software manuals or online help systems for the computer industry. occasional.

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.

technical writing style: pr: enc 3211 or enc 3241 or c.i. strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. spring.
ENC 4290 CAH-ENG 3(3,0) Usability Testing for Technical Communication: PR: ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. Occasional.

ENC 4293 CAH-ENG 3(3,0) Technical Documentation I: PR: ENC 3211 or ENC 3241. Practice in translating highly technical information to organized documentation: hardware, software, military specifications. Theory of designing and organizing technical manuals. Preparation of proposals. Interview skills. Fall, Spring.

ENC 4294 CAH-ENG 3(3,0) Technical Documentation II: PR: ENC 4293. Practical application of editing theory to large ongoing projects from the student’s particular field. Should be taken concurrently with ENC 4215. Fall, Spring. M&S fee: $10.00

ENC 4295 CAH-ENG 3(3,0) Technical Documentation III: PR: ENC 4294. Designing, writing, and illustrating manuals, e.g., repairs, maintenance or users. Project supervised by a member of a student’s major department or technical editor of a corporation. Fall, Spring. M&S fee: $10.00

ENC 4312 CAH-ENG 3(3,0) Theory & Practice Persuasive Writing: PR: ENC 1102. A study of the theory and practice of persuasion, including logical, emotional and ethical appeals. Occasional.

ENC 4360 CAH-ENG 3(3,0) Nature Writing: PR: CRM 3013 or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.

ENC 4414 CAH-ENG 3(3,0) Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. Occasional.

ENC 4415 CAH-ENG 3(3,0) Digital Rhetorics and The Modern Dietactic: PR: ENC 1102. This online course explores the development of digital or online rhetorics through a close reading and analysis of formative rhetorical texts, modern American fiction and film. Fall, Spring.

ENC 5214 CAH-ENG 3(3,0) Production and Publication Methods: PR: Graduate status or senior standing or C.I. Theory and practice of production and publication methods for technical writers. Occasional.

ENC 5216 CAH-ENG 3(3,0) Editing Professional Writing: PR: Graduate status or senior standing or C.I. The study of major issues in editing, including levels of edit, grammar and mechanics, visuals, style, and the impact of technology. Fall, Spring.

ENC 5219 CAH-ENG 3(3,0) Graphics in Technical Writing: PR: Graduate status or senior standing or C.I. A study of the creation and editing of graphics in technical documents. Occasional.

ENC 5225 CAH-ENG 3(3,0) Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Presents theory and practice of how document usability is assessed and improved. Occasional.

ENC 5237 CAH-ENG 3(3,0) Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5245 CAH-ENG 3(3,0) Teaching Professional Writing: PR: Graduate status or senior standing or C.I. Prepares students to determine writing needs of professional discourse communities, analyze those needs, and design in-house or freelance writing programs to address those needs. Occasional.

ENC 5256 CAH-ENG 3(3,0) Gendered Rhetoric: PR: Graduate status or senior standing or C.I. Questions women’s and men’s linguistic choices, the influence of medium and discipline of discourse, and consequences of status, power, and oppression. Occasional.

ENC 5265 CAH-ENG 3(3,0) Writing/Consulting: Theory & Practice: PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Occasional.

ENC 5277 CAH-ENG 3(3,0) Teaching Writing With Computers: PR: Graduate status or senior standing or C.I. To provide immersion in the theories and practices of writing in electronic spaces including current discourse conventions from speech and print media. Occasional.

ENC 5291 CAH-ENG 3(3,0) Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. Occasional.

ENC 5306 CAH-ENG 3(3,0) Persuasive Writing: PR: Graduate status or senior standing or C.I. Theory and practice of writing persuasively. Occasional.

ENC 5335 CAH-ENG 3(3,0) Rhetorical Traditions: PR: Graduate status or senior standing or C.I. To provide a foundation for research by familiarizing students with the chronological spectrum practice and theory of rhetorical form classical to contemporary times. Fall, Spring.

ENC 5337 CAH-ENG 3(3,0) Modern Rhetorical Theory: PR: Graduate status or senior standing or C.I. With special attention to the rhetor-audience relationship, the course studies history and practice of modern rhetorical theory. Spring.

ENC 5338 CAH-ENG 3(3,0) The Rhetorics of Public Debate: PR: Graduate status or senior standing or C.I. To examine how rhetorical theories further community goals, including activist, political, legislative, and other significant public debates. Occasional.

ENC 5344 CAH-ENG 3(3,0) Proposal Writing: PR: Graduate status or senior standing or C.I. Theory and practice of writing proposals. Occasional.

ENC 5425 CAH-ENG 3(3,0) Hypertext Theory and Design: PR: graduate status, post bac, or senior standing, or C.I. Theoretical and practical study of the uses and premises of hypertext. Occasional.

ENC 5427 CAH-ENG 3(3,0) Hypertext: PR: Graduate status or senior standing or C.I. A study of the theory and practice of computer-driven hyper-text. Occasional.

ENC 5705 CAH-ENG 3(2,1) Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENC 5712 CAH-ENG 3(3,0) Studies in Literacy and Writing: PR: Graduate standing or C.I. To study the theories of cultural and critical literacy, definitions of literacy, and current political issues in literacy studies. Odd Fall.

ENC 5745 CAH-ENG 3(3,0) Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester. GTA's will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3,0) Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal profession, as well as for general publication. Occasional.

ENG 3010 CAH-ENG 3(3,0) Practical Criticism: PR: ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. Occasional.

ENG 3014 CAH-ENG 3(3,0) Theories and Techniques of Literature Study: PR: ENC 1102, Junior standing, or C.I. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.

ENG 3073 CAH-ENG 3(3,0) Cultural Studies Literature: PR: ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce “cultural studies.” Occasional.

ENG 4114 CAH-ENG 3(3,0) Literature and Film: PR: ENC 1102 and ENC 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

ENG 5009 CAH-ENG 3(3,0) Methods of Bibliography and Research: PR: Graduate status or senior standing or C.I. Bibliographical, library and systematic approaches to research at the graduate level in language and literature. Fall.

ENG 5018 CAH-ENG 3(3,0) Literary Criticism: PR: Graduate status or senior standing or C.I. Historical survey of major critics from classical antiquity to the modern era. Spring.

ENL 2012 CAH-ENG 3(3,0) English Literature I: PR: ENC 1102. Beowulf to 1798. Fall, Spring.
ENL 2022 CAH-ENG 3(3,0) English Literature II: PR: ENC 1102. From 1798 to 1914. Fall, Spring.

ENL 3951 CAH-ENG 3(3,0) Orlando Shakespeare Festival: PR: ENC 1102. Involvement in theory and practice of Shakespeare’s art by performance-oriented study and participation in the Orlando Shakespeare Festival’s pre-season activities and productions. Occasional.

ENL 3951H CAH-ENG 3(3,0) Orlando Shakespeare Festival Honors: PR: ENC 1102 and permission of Honors. Honors theory and practice of Shakespeare’s art by performance-oriented study and participation in the Orlando Shakespeare Festival’s pre-season activities and productions. Occasional.


ENL 4220 CAH-ENG 3(3,0) English Renaissance Poetry and Prose: PR: ENC 1102 and ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lilly & others. Occasional.

ENL 4230 CAH-ENG 3(3,0) 18th Century Studies: PR: ENC 1102 and ENG 3014. Reading, analysis, and discussion of literature in English: 1690-1880. May be repeated for credit. Occasional.

ENL 4240 CAH-ENG 3(3,0) English Romantic Writers: PR: ENC 1101, ENC 1102 and 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: ENC 1102 and ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossetti, and Emily Bronte. Occasional.


ENL 4311 CAH-ENG 3(3,0) Chaucer: PR: ENC 1102 and ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. Occasional.

ENL 4333 CAH-ENG 3(3,0) Shakespeare Studies: PR: ENC 1102 and ENG 3014. Reading, analysis, and discussion of Shakespeare’s plays. May be repeated for credit. Occasional.

ENL 4341 CAH-ENG 3(3,0) Milton and His Age: PR: ENC 1102 and 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:1680-1810. 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 Rossetti, 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 5334 ECE-CEE 3(3,0) Characterization of Hazardous Waste Sites: PR: CWR 4101C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. Occasional.

ENV 5335 ECE-CEE 3(3,0) Hazardous Waste Management: PR: CWR 4001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.


EPH 5356 ECE-CEE 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETI 4950C</td>
<td>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.</td>
<td>3(1,4)</td>
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<tr>
<td>Computer Numerical Controls - Machining Applications: PR: ETO 3532C. Theory of methods and concepts for machining, computer numerical control programs, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit. Occasional.</td>
<td>Computer Numerical Controls - Machining Applications: PR: ETO 3532C. Theory of methods and concepts for machining, computer numerical control programs, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit. Occasional.</td>
<td>3(2,2)</td>
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<tr>
<td>ESM-ENT 3(3,0)</td>
<td>Materials and Processes: PR: MAC 1105 and MAC 1114 or equivalent. Chemistry. A study of fundamental properties of materials. Current industrial practices in foundry, forming, joining and shaping processes. Fall.</td>
<td>ETI 4342C</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ESM-ENT 3(3,0)</td>
<td>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.</td>
<td>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.</td>
<td>3(3,0)</td>
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<tr>
<td>ESM-ENT 3(3,0)</td>
<td>SpaceXcraft Quality Assurance and Testing: PR: PHY 2603C. Quality assurance, reliability, and testing of space hardware and software, with the examination of designing, manufacturing, testing, and operation. Occasional.</td>
<td>SpaceXcraft Quality Assurance and Testing: PR: PHY 2603C. Quality assurance, reliability, and testing of space hardware and software, with the examination of designing, manufacturing, testing, and operation. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>ESM-ENT 3(3,0)</td>
<td>Applied Reliability: PR: ESI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistic phases of systems and system components. Odd Spring.</td>
<td>Applied Reliability: PR: ESI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistic phases of systems and system components. Odd Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ESM-ENT 3(3,0)</td>
<td>Applied Logistics: PR: ESI 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.</td>
<td>Applied Logistics: PR: ESI 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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ESM-ENT 3(3,0)</td>
<td>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.</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ESM-ENT 3(1,4)</td>
<td>Launch Processing Technology: PR: or C.I. 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.</td>
<td>Launch Processing Technology: PR: or C.I. 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.</td>
<td>3(1,4)</td>
</tr>
</tbody>
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UCF Courses and Descriptions

EVT 3502 ED-TLP 3(3,0)
Special Needs of Vocational Students: PR: EVT 3365 or C.I. Achievement of teacher competency in meeting the special needs of the handicapped, culturally different, slower learner, those with basic skill deficiencies, and those in non-traditional programs. Spring.

EVT 4065 ED-TLP 4(4,0)

EVT 4169 ED-TLP 3(3,0)
Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. Spring.

EVT 4368 ED-TLP 3(3,0)
Advanced Teaching Techniques for Vocational Education: PR: EVT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation of instructional effectiveness. Fall.

EVT 4815 ED-TLP 3(3,0)

EVT 5260 ED-TLP 2-4(2-4,0)
Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

EVT 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.

EVT 5817 ED-TLP 2-4(2-4,0)
Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

EXP 3204C COS-PSYCH 4(3,2)

EXP 3250 COS-PSYCH 3(3,0)

EXP 3304 COS-PSYCH 3(3,0)

EXP 3404 COS-PSYCH 3(3,0)

EXP 3604C COS-PSYCH 3(3,0)

EXP 4507C COS-PSYCH 3(1,4)
Advanced Human Memory and Cognition: PR: PSY 3213C, EXP 3604C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&S fee: $15.00

EXP 5208 COS-PSYCH 3(3,0)
Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0)
Human Factors and Aging: PR: Graduate status, post-bac, or senior standing or C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0)
Psychology of Learning and Motivation: PR: DEP 5057, and graduate status or senior standing or C.I. Examinations of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1001 CAH-FILM 3(3,0)
Cinema Survey: Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

FIL 1001H 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: Analysis of dramatic and cinematic narrative structures, both plot and character, from an historical and cultural perspective. Fall, Spring.

FIL 1008 CAH-FILM 3(3,0)
Cinematic Expression/Aesthetics: Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, and lighting styles. Fall, Spring. M&S fee: $13.00

FIL 1009 CAH-FILM 3(3,0)
Cinematic Expression for Majors: PR: FIL 1007 or FIL 1100. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, and lighting styles. Spring.

FIL 1100 CAH-FILM 3(3,0)
Foundations of Story for Majors: PR: Pending Film majors or Film minors. Analysis of dramatic and cinematic narrative structures, both plot and character, from a historical and cultural perspective. Occasional.

FIL 1226 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 2107 CAH-FILM 3(3,0)
Script Analysis: CR: ENC 1101, FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2200 CAH-FILM 3(3,0)
Cinematography I: PR: Film majors, FIL 2274C, FIL 2220. Concepts and tools of cinematography and lighting. Fall. M&S fee: $45.00

FIL 2220 CAH-FILM 3(3,0)
Cinematography II: PR: Film Major, FIL 1008, FIL 3124, FIL 3201C. Introduction to processes and techniques of directing. Spring.

FIL 2221 CAH-FILM 3(3,0)
Acting for Film I: PR: BFA Film majors. Acting through use of various acting techniques, developing an ability to direct and work with actors effectively. Fall.

FIL 2224C CAH-FILM 3(3,0)
Foundations of Production: Production techniques for non-majors. Introduction to basic techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2274C CAH-FILM 3(3,2)
Editing I: PR: Film Major, FIL 1008, FIL 3124, FIL 3201C. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&S fee: $45.00

FIL 2400 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: $25.00

FIL 2532 CAH-FILM 3(3,0)
The American Film Artist: The evolution and growth of a film artist, the emergence of a unique personal vision, and its influence on society. May be repeated for credit when content differs. Fall. M&S fee: $10.00

FIL 3006 CAH-FILM 3(3,0)
Art of the Cinema: An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall, Spring. M&S fee: $25.00

FIL 3102 CAH-FILM 3(3,0)
Writing for Film and TV: PR: ENC 1102, Junior Standing. 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 3106G 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 3124 CAH-FILM 3(3,0)
Short Script I: PR: Film major and FIL 2107. Rudiments of writing the short script. Analysis of script models and examination of differences between short and long forms. Writing scripts for workshops. Fall, Spring.

FIL 3125 CAH-FILM 3(3,0)
of how cinematic images of women affect cultural percep-

Women in Film:

FIL 3300C CAH-FILM 3(2,4)  Introduction to Film Production:  PR: Film majors, FIL 2107. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall. M&S fee: $45.00

FIL 3225 CAH-FILM 3(3,0)  Acting for Film I:  PR: BFA Film majors, FIL 2221 or C.I. Characterization and scene study as it applies to working in front of the camera. Spring.

FIL 3229 CAH-FILM 3(0,3)  Film Production Technology Workshop:  PR: Restricted to Film majors. Demonstrations and hands-on equipment workshops to understand and operate the tools of the filmmaking process. May be repeated for credit. Occasional.

FIL 3236C CAH-FILM 3(3,6)  Advanced Documentary Production:  PR: FIL 3300C. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional. M&S fee: $14.00

FIL 3252C CAH-FILM 3(3,1)  Cinematic Expression:  PR: FIL 2400. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.

FIL 3269 CAH-FILM 3(3,0)  Cinema Directors:  PR: FIL 3503C and Film or Cinema Study major. Intensive study of the work of selected filmmakers using multiple modes of criticism and author analysis to examine films. Occasional.

FIL 3268C CAH-ART 3(2,4)  Introduction to Animation:  PR: Animation majors only, and a satisfactory portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the use of high-end animation systems used in the film industry. May be repeated for credit. Even Fall. Spring. M&S fee: $35.00

FIL 3287C CAH-ART 3(2,4)  Intermediate Animation:  PR: Animation majors only, FIL 3268C, and a satisfactory portfolio review or C.I. Focus on 3D computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall, Spring. M&S fee: $35.00

FIL 3297 CAH-FILM 3(3,0)  Sound Design I:  PR: Film or Digital Media major. Technical aspects of production and post-production sound recording, editing, and mixing. Fall, Spring.

FIL 3300C CAH-FILM 3(3,1)  Film Documentary:  PR: Film or Cinema Studies major, FIL 3201C or FIL 3229. The uses and analysis of the non-fiction film. Fall. M&S fee: $15.00

FIL 3304C CAH-FILM 3(1,3)  Documentary Vision:  PR: Film major and FIL 3201C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-FILM 3(3,0)  Docudrama:  PR: FIL 2220. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. Occasional.

FIL 3309 CAH-FILM 3(3,1)  Women in Film:  PR: Junior standing. A critical examination of how cinematic images of women affect cultural perceptions and an overview of historically significant women filmmakers and related sociopolitical issues. Fall, Spring.

FIL 3401 CAH-FILM 3(3,0)  Film History I:  PR: Film majors and FIL 2107. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3402 CAH-FILM 3(3,0)  Film History II:  PR: Film majors and FIL 3401. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3410 CAH-FILM 3(3,0)  History of Animated Films I:  PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.


FIL 3418 CAH-FILM 3(3,0)  Avant-Garde Cinema:  PR: Junior standing or C.I. History and aesthetics of Avant-Garde Cinema with an emphasis on post WWII North American films and filmmakers. Spring. M&S fee: $10.00

FIL 3503C CAH-FILM 3(3,1)  Film Theory and Criticism I:  PR: FIL 2107 and Film or Cinema Studies major. Major film theories to the Second World War Period. Fall. M&S fee: $10.00

FIL 3504C CAH-FILM 3(3,1)  Film Theory and Criticism II:  PR: FIL 3503C and Film or Cinema Studies major. Major film theories from Second World War period to present. Spring. M&S fee: $10.00

FIL 3510 CAH-FILM 3(3,0)  World Cinema Traditions:  PR: Cinema Studies or Film major, FIL 3504C. The relationship among film, history, and culture in selected Asian, African, Latin-American, and Middle Eastern countries. Fall, Spring.


FIL 3512 CAH-FILM 3(3,0)  Italian Neo-Realist Cinema:  PR: FIL 2400. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Even Fall, Spring.

FIL 3513 CAH-FILM 3(3,0)  Latin American Cinema:  PR: FIL 3503C and FIL 3504C. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3514 CAH-FILM 3(3,0)  International Cinema:  PR: FIL 2400. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.

FIL 3520 CAH-LANG 3(3,0)  Italian Film:  PR: Majors in Italian Cinema. This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. Occasional.

FIL 3521 CAH-LANG 3(3,0)  French Film:  The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economic, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.

FIL 3522 CAH-LANG 3(3,0)  German Film:  PR: C.I. Exploration of the form and context of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. Occasional.


FIL 3542 CAH-FILM 3(3,0)  Cinema Criticism Writing:  PR: ENC 1102, FIL 2400, FIL 3401, FIL 3402 and FIL 3503C. Modes of cinema criticism. Occasional.

FIL 3551 CAH-FILM 3(3,0)  American Cinema:  PR: Film major. Lectures, films and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.

FIL 3625 CAH-DIG 3(3,0)  Interactive Entertainment:  PR: FIL 2107 or DIG 2000 and a minimum grade of "B" (3.0) or better in DIG 3001; and Film or Digital Media major. Ways to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

FIL 3922 CAH-FILM 1(1,1)  Film Colloquium:  PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Course may be repeated. Graded S/U. Fall, Spring.

FIL 4103 CAH-FILM 3(3,0)  Adaptation:  PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. Occasional.

FIL 4111C CAH-FILM 3(2,3)  Feature/TV Writing I:  PR: Film major and FIL 3124. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting. Fall.

FIL 4112C CAH-FILM 3(2,3)  Feature/TV Writing II:  PR: Film major, FIL 4111C. Advanced writing workshops, principles and methods of adaptation and reader’s coverage. Spring.

FIL 4113C CAH-FILM 3(2,3)  Interactive Writing I:  PR: Junior Standing, Film major, FIL 3124 or Digital Media major. Writing workshop for experienced scriptwriters, cold readings, preparing calling card script, marketing scripts and funding sources. Occasional.

FIL 4114C CAH-FILM 3(3,2)  Interactive Writing II:  PR: Film major and FIL 4113C. Advanced writing and development of short interactive narratives as well as examination of non-traditional structures as applied to interactive writing. Occasional.
UCF Courses and Descriptions

FIL 4127C CAH-FILM 3(2,2) Motion Picture Genre: PR: FIL 2400. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Even Fall. M&S fee: $10.00

FIL 4202C CAH-FILM 3(2,4) Intermediate Film Production: PR: Film major, FIL 3201C. Advanced exploration of the aesthetic and technical facets of filmmaking. Occasional. M&S fee: $45.00

FIL 4203C CAH-FILM 3(2,4) Capstone II: PR: FIL 4132C, FIL 3625 or FIL 4228. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Graded SIU. Fall. M&S fee: $45.00

FIL 4207 CAH-FILM 3(3,0) Episodic Production: PR: Film or Animation Majors. Episodic film production techniques. Occasional.

FIL 4208C CAH-FILM 3(3,1) Direction II: PR: Film major and FIL 2220. Principles and practice in directing narrative and/or documentary motion pictures. Fall. M&S fee: $45.00

FIL 4210C CAH-FILM 3(2,4) Cinematography II: PR: FIL major. FIL 3201C, FIL 2200. Advanced principles and practices of cinematography. Spring. M&S fee: $45.00

FIL 4211C CAH-FILM 3(1,3) Capstone III: PR: Film major and FIL 4203C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring. M&S fee: $45.00

FIL 4212C CAH-FILM 3(3,1) Sound Design II: PR: FIL 3297, Film or Digital Media major. To provide both professional skills and attitudes and to create an understanding of how production mixers bring the director’s vision to the screen. Spring.

FIL 4213 CAH-FILM 3(3,0) Sound Design III: PR: FIL 4212C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.

FIL 4223 CAH-FILM 3(3,0) Design for Film: PR: Film major, FIL 3201C, FIL 4202C. Analysis of visual structure of film. Specific problems in art direction. Fall.

FIL 4228 CAH-FILM 3(3,0) Directing III: PR: Film major, FIL 2200 and FIL 4202C. Advanced processes and techniques of directing. Spring. M&S fee: $45.00

FIL 4262C CAH-FILM 4(3,2) Special Problems in Film Design: A series of exercises in craft, techniques, and design for film production, including animation. Odd Spring. M&S fee: $20.00

FIL 4280 CAH-DIG 3(3,0) Animated Film-History for non film majors: PR: FIL 3410. Evolution of animation since World War II. Occasional.

FIL 4284C CAH-FILM 3(3,1) Non-Linear Editing: PR: Film major and FIL 2201C. Provides basic working knowledge of AVID editing system, to edit assigned projects, give basic understanding of editorial styles and techniques in film storytelling. Occasional. M&S fee: $45.00

FIL 4288C CAH-ART 3(2,4) Advanced Animation: PR: Animation majors only, FIL 3286C, FIL 3287C, and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. Fall, Odd Spring. M&S fee: $35.00

FIL 4289C CAH-FILM 3(2,4) Animation Workshop: PR: Animation majors only, FIL 3286C, FIL 3287C, FIL 4288C, 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 storyboarding, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring. M&S fee: $35.00

FIL 4294C CAH-FILM 3(3,2) Editing II: PR: Film major and FIL 2274C. Theory, techniques and practices in picture editing. Fall. M&S fee: $45.00

FIL 4301C CAH-FILM 3(1,3) Documentary Workshop I: PR: FIL 3304C. 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. Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Spring.

FIL 4411 CAH-FILM 3(3,0) History of Animated Films II: PR: FIL 3410, and Cinema Studies, Art, Animation or Digital Media major. Growth and diversification of American and international animation since 1945. Spring.

FIL 4506C CAH-FILM 3(2,2) Genre Writing: PR: Film major, FIL 3503C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. Occasional.


FIL 4574 CAH-FILM 3(3,0) Images and Text in Context: PR: FIL 2400 or C.I. Moving images, the still image, and text in their cultural contexts. Occasional.

FIL 4602 CAH-FILM 3(3,0) Film Business: PR: Film major, FIL 4207, FIL 4202C. 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.

FIL 4504 CAH-FILM The Film Producer: PR: Film major or Cinema Studies major, and FIL 4208C. The role of the producer is examined in the context of theatrical film. Spring.

FIL 4607 CAH-FILM 3(3,0) Film Production Management: PR: Film major. FIL 3201C. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 5165 CAH-FILM 3(3,0) Visual Storytelling: PR: Admission to Film and Digital Media master’s program or C.I. Traditional forms of visual storytelling ranging from storyboarding to classic structural paradigms for feature film scripts. Fall.

FIL 5609 CAH-FILM 3(3,0) Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documentaries and the Internet. Fall.

FIL 5800 CAH-FILM 3(3,0) Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of Film and new Media. Spring.

FIL 5810 CAH-DIG 3(3,0) Transmedia Story Creation: PR: Admission to Film and Digital Media master’s program or C.I. Repurposing of traditional stories: creation of authentic environments and the emergence of new authoring scenarios. Fall.

FIL 5853 CAH-FILM 3(3,0) Cinematic Forms: PR: Graduate standing in Film and Digital Media or C.I. Evolution of cinematic form through the works of key directors and theorists. Spring.

FIN 2104 BA-FIN 3(3,0) Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0) Financial Markets: PR: FIN 3403; open to majors or minors which require this course. The role of short and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

FIN 3403 BA-FIN 3(3,0) Business Finance: PR: Junior standing and business major or minor, ACG 201, 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.

FIN 3403H BA-FIN 3(3,0) Business Finance - Honors: PR: Finance major, ACG 201, ACG 2071, ECO 2013, ECO 2023 and permission of Honors. Open to University honors students and other students participating in the honors program. Same as FIN 3403 with honors level content. Occasional.

FIN 3414 BA-FIN 3(3,0) Intermediate Corporate Finance: PR: FIN 3403; open to majors or minors which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.


FIN 3504 BA-FIN 3(3,0) Investment Analysis: PR: FIN 3403; open to majors or minors which require this course. A survey of investments, including security markets, investment vehicles, and environment. Principles of asset valuation in efficient markets. Fall, Spring.
FIN 4313 BA-FIN 3(3,0) Management of Financial Institutions: PR: FIN 3303, 3403; open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0) Commercial Bank Management: PR: FIN 3303; open to majors or minors which require this course. Analysis of the intersections of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall.

FIN 4424 BA-FIN 3(3,0) Advanced Topics in Financial Management: PR: FIN 3414; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decision. Case studies used extensively. Occasional.

FIN 4453 BA-FIN 3(3,0) Financial Models: PR: FIN 3403, FIN 3414, and FIN 3504; open to majors or minors which require this course. Advanced study in the use of mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: FIN 3403, FIN 3303 and FIN 3504; open to majors or minors which require this course. Portfolio and capital market theory in the determination of national investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4521C BA-FIN 4(3,1) Applied Portfolio Management I: PR: Finance major, FIN 3403, FIN 3504, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4522C BA-FIN 4(3,1) Applied Portfolio Management II: PR: Finance major, FIN 4521C, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

FIN 4533 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 3403, FIN 3303 and FIN 3504; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4604 BA-FIN 3(3,0) International Financial Management: PR: FIN 3403; open to majors or minors which require this course. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting I: PR: Finance major, FIN 3403, FIN 3303, CR: FIN 3414, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4731 BA-FIN 3(3,0) Senior Financial Consulting II: PR: Finance major, FIN 4730. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(0,3) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded SU. Fall, Spring.

FIN 5405 BA-FIN 3(3,0) Financial Concepts: PR: Acceptance into the graduate program, ACG 5005 and ECO 5005, or equivalents. Effects of financial decisions upon the firm, interrelationships of these effects and alternatives available to financial managers in making these financial decisions. Occasional.

FIN 5407 BA-FIN 1.5(1,0) Financial Foundations: PR: C.I. or C.I. Development of language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall, Spring.

FLE 3160 ED-TLP 3(3,0) Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language diversity. Occasional.

FLE 4290 ED-TLP 2(2,0) Technology in the Foreign Language Classroom: PR: EME 2040, EDG 4323. Applications of technology in the foreign language classroom including uses of the Web, e-mail, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit. Occasional.

FLE 4314 ED-TLP 3(3,0) Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-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 5335 ED-TLP 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 5870, EDG 4323 or EDG 6236, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. Occasional.

FLE 5870 CAH-LANG 3(3,0) Methods of Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. This course introduces prominent theories and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels. Occasional.

FLE 5875 CAH-LANG 3(3,0) Computer Application in Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. Survey, analysis, and evaluation of computer software and Internet materials for teaching foreign languages. Occasional.

FOL 3730 CAH-LANG 3(3,0) Romance Philology: The study of the major Romance Languages and their origins as they developed from Classical and Medieval Latin to their linguistic influences such as Austron and Provençal. Occasional.

FRE 1005 CAH-MUSIC 1(1,0) French Didactic: This course is especially designed for music and voice students, with an emphasis on musical terms, French songs, and opera librets. Odd Fall.

FRE 1120 CAH-LANG 4(4,1) Elementary French Language and Civilization I: Introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall, Spring.


FRE 2200 CAH-LANG 3(3,1) Intermediate French Language and Civilization I: PR: FRE 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2240 CAH-LANG 3(3,0) Intensive French Conversation: PR: One year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.


FRE 3300 CAH-LANG 3(3,0) French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. Fall.

FRE 3410 CAH-LANG 3(3,0) Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 4320 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.
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.


FRW 3752 French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.


FRW 3770 Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 4281 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, Buto, Camus, Mauriac, Malraux and Sartre; different literary approaches will also be used. Occasional.

FRW 4324 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, Claudoux, Ionesco, and Sartre; different literary approaches will also be used. Occasional.


FSS 2221C RCHM-HOS 3(3,1) Quantity Food Preparation: Basic principles of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee: $45.00

FRW 3101 Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

FRW 3370 Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.


FRW 3752 French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.


FRW 3770 Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 4281 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, Buto, Camus, Mauriac, Malraux and Sartre; different literary approaches will also be used. Occasional.

FRW 4324 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, Claudoux, Ionesco, and Sartre; different literary approaches will also be used. Occasional.


FSS 2221C RCHM-HOS 3(3,1) Quantity Food Preparation: Basic principles of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee: $45.00

FRW 3101 Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.
GEB 3356H  BA-FIN  3(3,0)  Introduction to International Business - Honors: PR: Junior standing and business major or minor, permission of Honors, ECO 2013, ECO 2023, ACS 2071. Understanding the interdependence of globalized world economy and similarities between domestic and international business domain. Occasional.


GEB 3815  BA-MAN  3(3,0)  Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.

GEB 4111  BA-MAN  3(3,0)  New Venture Finance: PR: FIN 3403. Provides hands-on processes for developing financial information necessary such as budgets and pro forma financial statements to start up a new venture. Odd Fall, Even Spring.

GEB 4117  BA-MAN  3(3,0)  Business Plan Preparation: PR: MAN 4802. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.

GEB 4358  BA-FIN  3(3,0)  International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. Occasional.

GEB 4361  BA-FIN  3(3,0)  Business in the International Environment: PR: Finance major, FIN 3403, MAR 3023, MAN 3025. Provides an over-all understanding of the nature, magnitude, and importance of the international business sector. Occasional.

GEB 4363  BA-FIN  3(3,0)  Export and Import Management: PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import businesses and provides students with knowledge about international trade. Occasional.

GEB 5941  BA-BUS  1.5(1,0)  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  ECS-CEE  3(3,0)  Resources Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

GEO 3471  COS-POLS  3(3,0)  World Political Geography: Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1005  CAH-MUSIC  1(0,1)  German Diction: This course is especially designed for music and voice students, with an emphasis on musical terms, German songs, and opera libretto. Odd Spring.

GER 1120  CAH-LANG  4(4,1)  Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

GER 1120H  CAH-LANG  4(4,1)  Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1121  CAH-LANG  4(4,1)  Elementary German Language and Civilization II: PR: GER 1120 or equivalent. Continuation of GER 1120. Fall, Spring.

GER 1121H  CAH-LANG  4(4,1)  Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.

GER 2200  CAH-LANG  3(3,1)  Intermediate German Language and Civilization I: PR: GER 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

GER 2201  CAH-LANG  3(3,1)  Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

GER 2210  CAH-LANG  3(3,0)  Intensive German Conversation: PR: GER 1121 or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

GER 2240  CAH-LANG  3(3,0)  German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

GER 2270  CAH-LANG  6(6,0)  Intermediate German Study Abroad: PR: GER 1121 or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

GER 2271  CAH-LANG  2(2,0)  Modern German Civilization Abroad II: PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3102  CAH-LANG  3(3,0)  Germany - Past to Present: PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3272  CAH-LANG  2(2,0)  Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3420  CAH-LANG  3(3,0)  Intensive German Composition: PR: GER 2201 or equivalent. Development of skills in composition. Occasional.

GER 3440  CAH-LANG  3(3,0)  Business German: PR: GER 2200. Introduction to German business language and practices. Occasional.

GER 3441  CAH-LANG  3(3,0)  BusinessGerman I: 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 realization taught in the native environment. Odd Fall.

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 designated for advanced students of the German language. Occasional.

GER 4510  CAH-LANG  3(3,0)  Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520  CAH-LANG  3(3,0)  Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

GEW 3100  CAH-LANG  3(3,0)  Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 15th Century Romanticism. Occasional.

GEW 3101  CAH-LANG  3(3,0)  Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

GEW 3370  CAH-LANG  3(3,0)  Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.

GEW 3480  CAH-LANG  3(3,0)  German Post-War Literature: PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.
GER 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 5007 HPA-NURS 3(3,0) Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEY 5600 ED-TLP 3(3,0) Physiology of Aging: PR: BSC 2010C or PCB 3703C or PET 4351C or equivalent. The purpose of this course is to develop the student's understanding of the effects of human aging on various body systems. Occasional.

GEY 5648 COS-PSYCH 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 interdisciplinarily multidisciplinary approach spanning the social sciences and health. Occasional.

GIS 3043C UGST-LIBERAL ST 3(2,2) GIS for Environmental Studies: PR: CGS 1060C and BSC 2010C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. Odd Fall.

GIS 4035C ECS-CEE 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-LIBERAL ST 4(2,2) Advanced GIS Applications in Environmental Studies: PR: GIS 3043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-cost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

GLY 1030 COS-CHEM 3(3,0) Geology and its Applications: Geologic principles, applications, and hazards including: igneous, 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 2820 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphic pictures by computer. Topics include graphic 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 2820 and Consent of Honors. The principles underlying the generation and display of graphic pictures by computer. Topics include graphical software packages and graphics systems. With Honors consent. Occasional.

GRA 2111C CAH-ART 3(2,4) Graphic Design I: PR: ART 2201C. Basic principles, concepts, and techniques in graphic design and art for visual publication. Occasional. M&S fee: $15.00

GRA 2140C CAH-ART 3(2,4) Computer Graphic Design: PR: Acceptance in Graphic Design Concentration, GRA 3100C, ART 2201C, ART 2203C, ART 2201C, and a satisfactory portfolio review or C.I. Problems involving the use of computer graphic systems for visual publication. Occasional. M&S fee: $15.00

GRA 2190C CAH-ART 3(2,4) Design in Advertising: PR: ART 2201C. Principles and techniques. Not open to art majors specializing in graphic design. Intended for visual arts education majors and general university elective. Occasional. M&S fee: $5.00

GRA 3100C CAH-ART 3(2,4) Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2201C, 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 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: $45.50

GRA 3113C CAH-ART 3(2,4) Type & Design: PR: ART 2201C, ART 2203C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. Fall, Odd Spring. M&S fee: $15.00


GRA 3801C CAH-ART 3(2,4) Intermediate Computer Graphic Design: PR: Acceptance in Graphic Design specialization and ART 2201C, ART 2203C, ART 2301C, ART 2301C, and a satisfactory portfolio review or C.I. The use of computer graphic systems for electronic publication. Fall.

GRA 4119C CAH-ART 3(2,4) Packaging Design and Display Systems: PR: Acceptance in Graphic Design Concentration and GRA 3100C. The visual concepts of packaging design and display systems. Exploration of materials, structures, function and sensory aspects of the packaging industry. Occasional.

GRA 4154C CAH-ART 3(2,4) Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Illustration problems involving the use of advanced digital techniques in illustration media. May be repeated for credit. Occasional. M&S fee: $45.00

GRA 4196C CAH-ART 3(2,4) Advanced Graphic Design: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 3151C or ART 3332C, GRA 4154C or ART 4320C, and a satisfactory portfolio review or C.I. Problems involving the use of advanced computer graphic systems for electronic publication. Odd Fall. 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-LANG 4(4,0) Elementary Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading and writing. Occasional.


HBR 1120 CAH-JUD 4(4,0) Elementary Modern Hebrew Language and Culture I: Designed to initiate the student to the major language skills; listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. Fall.

HBR 1121 CAH-JUD 4(4,0) Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.

HBR 2200 CAH-JUD 3(3,0) Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew; increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. Occasional.
HBR 2201 CAH-JUD 3(3,0) Intermediate Modern Hebrew II: PR: HBR 2200. Further development of modern Hebrew language skills in listening, speaking, reading, and writing. Occasional.


HBR 3410 CAH-JUD 3(3,0) Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent. C.I. Study and practice of contemporary conversational Israeli Hebrew. Occasional.

HFT 1000 RCHM-TEA 3(3,0) Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 1350 RCHM-TEA 3(3,0) Career & Promotional Development in Golf: PR: HFT 1357. The developmental sequence of lifelong programs for juniors, women, and seniors; in the golf industry. Spring.

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 1357 RCHM-TEA 3(3,0) Golf Event Operations: PR: HFT 1356. Develop, plan, and organize golf tournaments of all types. Even Spring.

HFT 2220 RCHM-TEA 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 2403 RCHM-HOS 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-TEA 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.

HFT 3261 RCHM-HOS 3(3,0) Restaurant Management: PR: HFT 1000 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 3285 RCHM-HOS 3(3,0) International Restaurant Corporation Management: PR: HFT 2500. The specific principles of managing a restaurant corporation in the international foodservice marketplace. Occasional.

HFT 3313 RCHM-HOS 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 concepts, 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 3374 RCHM-TEA 3(3,0) Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2700, or C.I. The management of the audio and visual process of a large exhibition. Occasional.

HFT 3431 RCHM-HOS 3(3,0) Hospitality Industry Managerial Accounting: PR: HFT 2403 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. Fall, Spring.

HFT 3443 RCHM-TEA 3(3,0) Event Technology: PR: HFT 1000 and HFT 2700; or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.

HFT 3444 RCHM-HOS 3(3,0) Hospitality Information Systems: PR: CGS 2100C, HFT 2254, and HFT 3261; or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.


HFT 3511 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 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 3540 RCHM-HOS 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 3600 RCHM-HOS 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 3600 and HFT 3261. Emphasis on regulatory, case and administrative law. Compliance, prevention, and remedial actions are stressed. Occasional.

HFT 3654 RCHM-HOS 3(3,0) Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.

HFT 3670 RCHM-TEA 3(3,0) Hospitality and Event Risk Management: PR: HFT 1000 and HFT 2700; or C.I. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Occasional.

HFT 3700 RCHM-TEA 3(3,0) Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

HFT 3741 RCHM-TEA 3(3,0) Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3757 RCHM-TEA 3(3,0) Event Management: PR: HFT 1000 and junior standing or C.I. Reviews the role and scope of events in the hospitality industry, as well as the process of planning, organizing, and managing events. Fall, Spring. M&S fee: $37.00

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.
### UCF Courses and Descriptions

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HFT 3785</td>
<td>Hospitality Business Consulting: PR: HFT 1000 and junior standing or C.I. A systematic approach to Hospitality Management. Students apply their cumulative knowledge in an active learning environment in a small hospitality operation.</td>
<td>3(3,0)</td>
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<tr>
<td>HFT 4343</td>
<td>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.</td>
<td>3(3,0)</td>
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<tr>
<td>HFT 4358</td>
<td>Golf Course Facility Design: PR: HFT 3355. Golf course and golf facility design from a functional perspective and from a perspective of form. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HFT 4375</td>
<td>Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HFT 4413</td>
<td>Technology Applications for Hospitality Management: PR: HFT 3544. Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HFT 4425</td>
<td>Financial Analysis for Restaurant Managers: PR: HFT 2403, HFT 3431, and HFT 3261. Topics of unit level economics, budgeting, valuation of restaurant enterprises, ownership models, franchising finance, and securing access to capital through debt and equity markets. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing: PR: HFT 3431. Hospitality Industry Management Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.</td>
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<tr>
<td>HFT 4442</td>
<td>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.</td>
<td>3(3,0)</td>
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<tr>
<td>HFT 4453</td>
<td>Food, Beverage, and Labor Cost Controls: PR: HFT 3544. Hospitality Information Systems. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>HFT 4462</td>
<td>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.</td>
<td>3(3,0)</td>
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<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operation, financial, and marketing aspects of analyses for hotel development projects. Even Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>HFT 4522</td>
<td>Vacation Ownership Resort Sales Tactics and Strategies: PR: HFT 3000, HFT 3273 or C.I. Sales tactics and corporate strategies employed in the sales and marketing of vacation ownership properties. Occasional.</td>
<td>3(3,0)</td>
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</tbody>
</table>
HFT 4532 RCHM-TEA 3(3,0) Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 4755 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.


HFT 4645 RCHM-HOS 3(3,0) Restaurant Real Estate, Site Selection, and Modeling: PR: Hospitality and Restaurant Management Cores or C.I. Explains the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. Occasional.

HFT 4717 RCHM-HOS 3(3,0) Hospitality Operations II: PR: Junior Standing. A survey of tourism, travel agency, airline, convention and trade show operations from both the U.S. and international perspective. Occasional.

HFT 4722 RCHM-TEA 3(3,0) Travel Agency Management: PR: Junior Standing. The trends operation management procedures and practices of travel agents. Emphasis on tools utilized in agency operations. Occasional.

HFT 4735 RCHM-TEA 3(3,0) Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.

HFT 4736 RCHM-TEA 3(3,0) Destination Management: PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4752 RCHM-TEA 3(3,0) Guest Services Management II: PR: HFT 3540 or C.I. Using decision theory and analytical techniques to create and maintain quality guest services. The emphasis is on strategic implications of quality service management. Occasional.

HFT 4753 RCHM-TEA 3(3,0) Convention and Conference Services: PR: HFT 3511 and junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. Spring.

HFT 4854 RCHM-TEA 3(3,0) Exhibit and Trade Show Operations: PR: HFT 2750 and junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4855 RCHM-TEA 3(3,0) Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.

HIM 3006 HPA-HP 3(3,0) Foundations of Health Information Management (HIM): PR: Acceptance into upper-division limited access HIM program or C.I. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3116C HPA-HP 4(3,2) Health Record Organization and Management: PR: HIM 3006. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. Spring.

HIM 3806L HPA-HP 4(0,8) Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HIM 3531 and HIM 3116C. Interdepartmental experience: master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

HIM 3816L HPA-HP 4(0,8) Professional Practice Experience II: PR: HIM 3806L, and CR: HIM 4226C, HIM 4252C, HIM 4344C, and HIM 4506. Transcription; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. Fall, Spring.

HFT 4226 HPA-HP 5(3,4) Coding Procedures I: PR: HSC 4550, HSC 3531, or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HFT 4256C HPA-HP 3(2,2) Coding Procedures II: PR: HIM 4226C or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; HCPCS; APGs; encoders. Fall, Spring.

HFT 4344C HPA-HP 4(3,2) Health Information Department Management: PR: HIM 3116C, MAN 3025. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; economics and space planning. Fall.

HIM 4506 HPA-HP 3(2,2) Quality Management: PR: HIM 3116C, HIM 4226C. PR: HIM 4252C. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.

HIM 4656C HPA-HP 3(2,2) Health Information Management Systems: PR: HSA 4191, HIM 4252C. Visualization of information systems; management and patient care in the healthcare industry; systems analysis, system design and project management concepts. Fall, Spring.
HIM 4676  HPA-HP  3(3,0)
Professional Development and Issues in Health Information Management: PR: HIM 4344C, HIM 4506. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. Spring.

HIM 4838  HPA-HP  5(0,15)
Management Affiliation: PR: All other required courses. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Record Administrator; lab exercises; comprehensive exam. Fall, Spring.

HIS 3462  CAH-HIST  3(3,0)

HIS 3949  CAH-HIST  0(0,8)
Cooperative Education in History: PR: Departmental permission required before registering. Cooperative education experience in history. May be repeated. Graded SU. Occasional.

HIS 4070  CAH-HIST  3(3,0)

HIS 4150  CAH-HIST  3(3,0)
History and Historians: PR: C.I. A study of European and/or American historiography. May be repeated once for credit. Fall, Spring.

HIS 4935  CAH-HIST  3(3,0)
Senior Seminar: PR: Senior standing, history major, and C.I. Research in history through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.

HIS 4944  CAH-HIST  3(3,0)
Internship in Public History: PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.

HIS 4970  CAH-HIST  3(3,0)
Senior Thesis: Original research paper available to advanced history majors; topics to be selected in consultation with a directing professor. Occasional.

HIS 5067  CAH-HIST  3(3,0)
Introduction to Public History: PR: Graduate status or senior standing or C.I. EXAM.6001. Discussion of 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 4722  ED-TLP  3(2,1)
Teaching Elementary School Health and Physical Education: PR: Admission to Phase II or C.I. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. Includes field experience. Fall, Spring.

HSA 3111  HPA-HP  3(3,0)
U.S. Health Care Systems: PR: Major or minor in College of Health or C.I. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 3111H  HPA-HP  3(3,0)

HSA 3170  HPA-HP  3(3,0)
Health Care Finance: PR: HSA 3111 or C.I., ACG 2011 and ACG 2071. Budgeting and resource allocation related to health care agencies. Fall, Spring.

HSA 3222  HPA-HP  3(3,0)
Long Term Care and Administration: PR: HSA 3111 or C.I. The clients, services, and administration of long-term care in specific settings. Students complete a service learning component in long-term care organizations. Even Fall, Spring.

HSA 3340  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 4151H  HPA-HP  3(3,0)
Honors Health Care Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of the complexities of health care as a societal issue. Occasional.

HSA 4180  HPA-HP  3(3,0)
Organization and Management for Health Agencies: PR: HSA 3111 or C.I. Organization and management of health care agencies, including procedural applications. Fall, Spring.

HSA 4191  HPA-HP  3(3,0)
Health Care Automation: PR: HSA 3111; CSS 2000C, or CSS 1060C; or C.I. Analysis and design of computerized systems for health data and health administration. Fall, Spring.

HSA 4201  HPA-HP  3(3,0)
Community Health: PR: HSA 3111 or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interface of governmental, voluntary and private agencies. Fall, Spring.

HSA 4220  HPA-HP  3(3,0)

HSA 4502  HPA-HP  3(3,0)

HSA 4701  HPA-COMD  6(6,0)
Introduction to Research in the Health Professions: PR: Senior or post-bac standing. The logic of research and the architecture of basic and applied investigations that are internally and externally reliable and valuable will be stressed. Occasional.

HSA 4702  HPA-HP  3(3,0)
Health Sciences Research Methods: PR: HSA 3111; STA 2014C or STA 2023; or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 5177  HPA-HP  3(3,0)
Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198  HPA-HP  3(3,0)
Health Care Decision Sciences and Knowledge Management: PR: Graduate standing. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. Occasional.

HSA 5257  HPA-HP  3(3,0)
ICD9 Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health-related field, or C.I. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5258  HPA-HP  3(3,0)
CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I., or BS in Health-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. Occasional.

HSC 1931C  HPA-HPA  2(1,1)

HSC 2000  HPA-HP  2(2,0)
Introduction to the Allied Health Professions: A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded SU. 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 with a B (3.0) or better: HSC 1912C, EGN 1036C, IDS 1040C, GEB 1091C or EDG 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.
HUM 4301 CAH-PHIL 3(3,0) The Classical Ideal: PR: HUM 2210 and HUM 2230 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Occasional.

HUM 4303 CAH-PHIL 3(3,0) The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. Concerns works of art reflecting spiritual insight or the spiritual quest; mystical impulses contrasted to ethos and pathos. Odd Fall, Spring.

HUM 4330 CAH-PHIL 3(3,0) Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2010, PHI 2011, 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 4339 CAH-PHIL 1(1,0) Portfolio: PR: Last semester as Humanities major. Presentation of a representative sampling of student’s best undergraduate work, with appropriate revisions, including a cover narrative indicating development of humanistic knowledge and skills. Graded S/U. Fall, Spring.

HUM 4554 CAH-PHIL 3(3,0) Religious Quest and Human Dilemma: PR: ENC 1102 or C.I. Nature of the sacred, death, and future life and how they relate to human existence. Even Fall.

HUM 4556 CAH-PHIL 3(3,0) Religion and the Arts: PR: One of: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with emphasis on the contemporary. Occasional.

HUM 4823 CAH-PHIL 3(3,0) Queer Theory in the Humanities: PR: HUM 2210 and HUM 2230 and Junior standing or C.I. Developments in queer theory. Challenge to research by scholars, activists, performers, and visual artists. Occasional.

HUM 4933 CAH-PHIL 3(3,0) Senior Research Seminar: PR: Senior standing and Humanities major. Capstone course on research, developing effective oral and written communication skills. Occasional.

HUM 5802 CAH-PHIL 3(3,0) Applied Contemporary Humanities: PR: HUM 5803, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. Occasional.

HUM 5803 CAH-PHIL 3(3,0) Theories and Methods of the Humanities: PR: Senior undergraduate standing and at least one of the following: HUM 3252, HUM 3320, or PHI 4808 or Graduate Standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall.

HUN 2002 HPA-HP 3(3,0) Modern Concepts in Nutrition: An examination of the eating patterns of today's American people. Topics include: nutrients in our diets, consumer demand in the food industry, fast food outlets, food trends and hunger. Fall, Spring.

HUN 3011 HPA-NURS 3(3,0) Human Nutrition: Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.


HUN 5936 HPA-HP 3(3,0) Nutrition and Exercise Physiology: This course correlates human nutrition with exercise physiology. Nutritional concepts are related to human performance and fitness. Occasional.

IDH 1040H BHC-HON 2(2,1) Honors Foundation of Leadership: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students are organized in groups to discuss leadership principles and applications. Graded S/U. Occasional.

IDH 1921H BHC-HON 1(2,0) Honors Symposium: Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Fall.

IDH 4030H BHC-HON 1(3,0) Honors Windows To The World: PR: Permission of Honors and IDH 1921H, 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, GEB 1091C, HSC 1031C, EGN 1036C, EDG 1005, or EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150 UGST-LIBERAL ST 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 to address regional, national, and global environmental issues. Spring.

IDS 3334 CAH-HIST 3(3,0) Topics in Latino Studies: PR: ENC 1102. Multi-disciplinary course exploring various topics pertaining to Latinos in the U.S. Occasional.

IDS 3701C CAH-DIG 3(2,2) Internet Software Design: PR: DIG 2000, COP 2500C, COP 3330 and a minimum grade of "B" (3.0) or better in DIG 3001. Software design for media-rich Internet applications in arts and humanities. User interface, client/server, n-tier architectures, scalability, optimization, streaming, interactive media objects for storytelling and e-commerce. Odd Fall, Even Spring.

IDS 4156 UGST-LIBERAL ST 3(3,0) Solving Environmental Problems: PR: IDS 3150, ECP 4302, GIS 3043C, GIS 4301C and PUP 3203, or 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 4703 CAH-DIG 3(0,0) Digital Media Project II: PR: DIG 4524L and a minimum grade of "B" (3.0) or better in DIG 3001. Continuation of IDS 4682. Odd Fall, Even Spring.

IDS 4728 CAH-DIG 3(3,0) Unix for Graphics Production: PR: COP 3223 and DIG 3525 or C.I. Unix operating system for the management of complex graphical production processes in animation and film post-production. Occasional.


IDS 4935 COS-SOC 3(3,0) Multidisciplinary Research Methods: PR: McNair Scholar and Junior Standing. Research methods of various disciplines designed for McNair Program Scholars. Occasional.

IDS 5145 ECS-IEMS 3(3,2) Interdisciplinary course in simulation: PR: Calculus, matrix algebra, probability & statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling & shared virtual world. May be repeated for credit. Occasional.

IDS 5717C CAH-IDS 3(2,2) Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. Fall, Spring.

IDS 5719 CAH-IDS 3(3,0) Quantitative Aspects of Modeling and Simulation: PR: MAC 2241 or equivalent. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

IDS 5915 CAH-PHIL 3(3,0) Research Methods in Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.

IDS 5936 CAH-PHIL 3(3,0) Topics in Cognitive Sciences: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, and behavioral capacities. Fall.

INP 3004 COS-PSYCH 3(3,0) Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations. Fall.

INP 3141C COS-PSYCH 1.3(0-3-9) Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. May be repeated for credit. Graded S/U. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>INP 3951</td>
<td>COS-PSYCH 3(0,10) Industrial/Organizational Field Work</td>
<td>PR: C.I.</td>
<td>An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.</td>
</tr>
<tr>
<td>INP 4252</td>
<td>COS-PSYCH 3(3,0) Advanced Industrial Psychology</td>
<td>PR: INS 3004 and PSY 3213C</td>
<td>Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. Occasional.</td>
</tr>
<tr>
<td>INP 4313</td>
<td>COS-PSYCH 3(3,0) Organizational Psychology</td>
<td>PR: INS 3004</td>
<td>Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. Occasional.</td>
</tr>
<tr>
<td>INP 5825</td>
<td>COS-PSYCH 3(3,0) Human-computer Interface (HCI) design: A team approach</td>
<td>PR: Graduate status or senior standing or C.I.</td>
<td>Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional design. Tools and techniques for team development and the evaluation of software for usability. Occasional.</td>
</tr>
<tr>
<td>INR 2002</td>
<td>COS-POLS 3(3,0) International Relations-Theory and Practice</td>
<td>PR: INR 2002 or POS 2041 or C.I.</td>
<td>emphasizes upon North-South relations, the New International Politics, and various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and laws of war. Occasional.</td>
</tr>
<tr>
<td>INR 3016</td>
<td>COS-POLS 3(3,0) Global Political Issues</td>
<td>PR: POS 2041 or C.I.</td>
<td>Current global political topics from both international and national perspectives, and the changing nature of war in light of significant changes in technology and international politics. Occasional.</td>
</tr>
<tr>
<td>INR 3250</td>
<td>COS-POLS 3(3,0) Politics of Pan-Africanism</td>
<td>PR: INR 2002</td>
<td>Political expressions of Pan-Africanism throughout the major regions of the African Diaspora. Occasional.</td>
</tr>
<tr>
<td>INR 3253</td>
<td>COS-POLS 3(3,0) International Politics of Africa</td>
<td>PR: POS 2041 or C.I.</td>
<td>The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.- African relations. Occasional.</td>
</tr>
<tr>
<td>INR 4011</td>
<td>COS-POLS 3(3,0) Politics of Globalization</td>
<td>PR: INR 2002 or POS 2041 or C.I.</td>
<td>Major political causes and consequences of globalization. Occasional.</td>
</tr>
<tr>
<td>INR 4030</td>
<td>COS-POLS 3(3,0) Diplomacy</td>
<td>PR: POS 2041</td>
<td>Junior standing or C.I. Concepts, theories, and methods of contemporary diplomacy: diplomatic processes in the international arena. Spring.</td>
</tr>
<tr>
<td>INR 4035</td>
<td>COS-POLS 3(3,0) International Political Economy</td>
<td>PR: POS 2041</td>
<td>The international politics of regional and global economic interdependence, with emphasis upon North-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.</td>
</tr>
<tr>
<td>INR 4054</td>
<td>COS-POLS 3(3,0) Global Politics of Energy</td>
<td>PR: POS 2041 or C.I.</td>
<td>International/national dimensions of global energy policy within developed and underdeveloped countries. Occasional.</td>
</tr>
<tr>
<td>INR 4060</td>
<td>COS-POLS 3(3,0) Causes of War</td>
<td>PR: POS 2041 or POS 2002 or C.I.</td>
<td>The primary theoretical and empirical research explaining militarized interstate conflict. Fall.</td>
</tr>
<tr>
<td>INR 4064</td>
<td>COS-POLS 3(3,0) Changing Nature of War</td>
<td>PR: POS 2041</td>
<td>The changing nature of war in light of significant changes in technology and international politics. Occasional.</td>
</tr>
<tr>
<td>INR 4074</td>
<td>COS-POLS 3(3,0) Immigration Policy</td>
<td>PR: POS 2041</td>
<td>Immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. Occasional.</td>
</tr>
<tr>
<td>INR 4075</td>
<td>COS-POLS 3(3,0) Human Rights Policy</td>
<td>PR: POS 2041</td>
<td>Human rights, political and international implications of human rights policies, relationship to global peace, security, and economic development. Odd Spring.</td>
</tr>
<tr>
<td>INR 4076</td>
<td>COS-POLS 3(3,0) Global Drug Policy</td>
<td>PR: POS 2041</td>
<td>The global drug epidemic, its enforcement, impact of government and political economic systems on drug policy. Selected Latin American and Third World cases. Odd Spring.</td>
</tr>
<tr>
<td>INR 4085</td>
<td>COS-POLS 3(3,0) Women, Gender, and Globalization</td>
<td>PR: Junior standing</td>
<td>Feminist and gender perspectives in International Relations, Globalization, and International Political Economy. Occasional.</td>
</tr>
<tr>
<td>INR 4100</td>
<td>COS-POLS 3(3,0) American Foreign Policy</td>
<td>PR: POS 2041</td>
<td>Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.</td>
</tr>
<tr>
<td>INR 4104</td>
<td>COS-POLS 3(3,0) Topics and Cases in American Foreign Policy</td>
<td>PR: POS 2041</td>
<td>General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.</td>
</tr>
<tr>
<td>INR 4114</td>
<td>COS-POLS 3(3,0) American Security Policy</td>
<td>PR: POS 2041</td>
<td>Jr. standing or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.</td>
</tr>
<tr>
<td>INR 4115</td>
<td>COS-POLS 3(3,0) Strategic Weapons and Arms Control</td>
<td>PR: POS 2041</td>
<td>Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.</td>
</tr>
<tr>
<td>INR 4224</td>
<td>COS-POLS 3(3,0) Contemporary International Politics of Asia</td>
<td>PR: POS 2041</td>
<td>Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.</td>
</tr>
<tr>
<td>INR 4225</td>
<td>COS-POLS 3(3,0) The Vietnam War</td>
<td>PR: POS 2041</td>
<td>The Vietnam War: Background of events leading to America's involvement in Indo-China, the course of the Vietnam War, and the lessons which that war imparts. Odd Spring.</td>
</tr>
<tr>
<td>INR 4243</td>
<td>COS-POLS 3(3,0) International Politics of Latin America</td>
<td>PR: POS 2041</td>
<td>Study of contemporary U.S.-Latin American relations, inter-American politics and organization, and the role of Latin America in the world. Occasional.</td>
</tr>
<tr>
<td>INR 4304</td>
<td>COS-POLS 3(3,0) Issues in International Public Policy</td>
<td>PR: POS 2041</td>
<td>Junior standing or C.I. Endogenous and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues. Occasional.</td>
</tr>
<tr>
<td>INR 4335</td>
<td>COS-POLS 3(3,0) Coercion in International Politics</td>
<td>PR: POS 2041</td>
<td>Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and survivals. Even Fall.</td>
</tr>
<tr>
<td>INR 4350</td>
<td>COS-POLS 3(3,0) Global Environmental Politics</td>
<td>PR: INR 2001 or POS 2041 or C.I.</td>
<td>The unique environmental challenges and political issues that occur on the international and global levels. Fall.</td>
</tr>
<tr>
<td>INR 4351</td>
<td>COS-POLS 3(3,0) International Environmental Law</td>
<td>PR: POS 2041</td>
<td>Development of a treaty regime for international environmental protection of Earth's biosphere when challenged by national sovereignty and economic and cultural diversity. Odd Spring.</td>
</tr>
<tr>
<td>INR 4364</td>
<td>COS-POLS 3(3,0) The Intelligence Community</td>
<td>PR: POS 2041</td>
<td>The nature, evolution, and sources of international law and such subareas as recognition of states and governments, extraterritoriality, nationality, and aliens. Occasional.</td>
</tr>
<tr>
<td>INR 4401</td>
<td>COS-POLS 3(3,0) International Law</td>
<td>PR: Junior standing or C.I.</td>
<td>The nature, evolution, and sources of international law and such subareas as recognition of states and governments, extraterritoriality, nationality, and aliens. Occasional.</td>
</tr>
<tr>
<td>INR 4402</td>
<td>COS-POLS 3(3,0) International Law II</td>
<td>PR: INR 4001 or C.I.</td>
<td>Examination of various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and laws of war. Occasional.</td>
</tr>
<tr>
<td>INR 4404</td>
<td>COS-POLS 3(3,0) Space Law</td>
<td>PR: POS 2041</td>
<td>Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.</td>
</tr>
<tr>
<td>INR 4502</td>
<td>COS-POLS 3(3,0) International Organizations</td>
<td>PR: POS 2041</td>
<td>The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall. Odd Spring.</td>
</tr>
<tr>
<td>INR 4603</td>
<td>COS-POLS 3(3,0) International Relations Theory</td>
<td>PR: POS 2041</td>
<td>Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. Occasional.</td>
</tr>
<tr>
<td>INR 4714</td>
<td>COS-POLS 3(3,0) Politics of International Trade Policy</td>
<td>PR: POS 2041</td>
<td>Key actors and processes of international trade policy-making at the sub-national, nation-state, regional, and global levels of analysis. Occasional.</td>
</tr>
</tbody>
</table>
ISM 3011 BA-MIS 3(3,0) Essentials of Management Information Systems: PR: Junior standing and business major or minor, CGS 2100C or CGS 1060C. Management and use of information technology in organizations. Fall, Spring.

ISM 3011H BA-MIS 3(3,0) Honors Management Information Systems: PR: Junior standing and business major or minor, permission of Honors, CGS 2100C or CGS 1060C. Management and use of information technology in organizations. Occasional.

ISM 3013 BA-MIS 3(3,0) Introduction to Information Systems Management: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011, MIS minor or non-major. Not open to MIS majors. The Course introduces fundamental concepts and methods related to the management of information systems in organizations. Occasional.

ISM 3043 BA-MIS 3(3,0) Society and Technology: PR: CGS 2100C or CGS 1060C, and Mac 1105 or MGF 1106, and ISM 3011, MIS minor or non-major. Not open to MIS majors. Explores societal issues related to technology. Topics include technology ethics, privacy and security, and access inequities. Occasional.

ISM 3214 BA-MIS 3(3,0) Personal Database Productivity: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011, MIS minor or non-major. Not open to MIS majors. The use of databases and data products. Emphasizes modern tools for accessing organizational data, data mining and reporting. Occasional.

ISM 3253 BA-MIS 4(3,3) MIS Techniques: PR: MIS minor or major, CGS 2100C. Computer use required of users and developers of management information systems. Fall, Spring.

ISM 3424 BA-MIS 3(3,0) Computer-Aided Decision Making: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011. MIS minor or non-major. Not open to MIS majors. Prepares the student to use computer-based tools to assist in making organizational decisions. Also includes a component on problem solving techniques. Occasional.

ISM 3501 BA-MIS 3(3,0) Essentials of Electronic Commerce: PR: CGS 2100C or CGS 1060C, and ISM 3011. MIS minor or non-major. Not open to MIS majors. Basic electronic commerce and technologies. Students are required to develop an e-commerce related business plan and build a prototype Website using a tool. Occasional.

ISM 3521 BA-MIS 3(3,0) Business Applications: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MGF 1106, and ISM 3011. MIS minor or non-major. Not open to MIS majors. Advanced topics concerning the use of application software in organizations. Focus on integration of applications. Occasional.

ISM 3530 BA-MIS 3(3,0) Quality & Productivity Management: PR: MIS major or minor, GEB 3031 and MAN 3025. An examination of the principles and theories of quality and operations management in manufacturing and service organizations. Fall, Spring.


ISM 4113 BA-MIS 3(3,0) Information Systems Analysis and Design: PR: MIS major or minor, ISM 4212C, ISM 3253. Structured approaches to the development of computer-based information systems in business. Fall, Spring.


ISM 4130 BA-MIS 3(3,0) Information Systems Implementation: PR: MIS major or minor, ISM 4113. Management of information systems development in business. Fall, Spring.

ISM 4133 BA-MIS 6(6,0) Information Systems Analysis, Design, and Implementation: PR: MIS major or minor, ISM 3253, ISM 4212C. Same as ISM 4113 and ISM 4130. Comprehensive coverage of analysis, design, and Implementation of information systems. Occasional.


ISM 4154 BA-MIS 3(3,0) Enterprise Application Development: PR: ISM 4113. Design and development of enterprise applications with special emphasis on web based development platforms. Occasional.


ISM 4120 BA-MIS 3(3,0) Distributed Information Systems: PR: MIS major or minor, ISM 3253 and ISM 3011. Computer networking and communications. Managerial and technical dimensions of client/server and other modes of distributed and decentralized computing in business. Distributed database design and implementation. Fall, Spring.

ISM 4228 BA-MIS 3(3,0) Advanced Distributed Information Systems: PR: MIS major or minor, ISM 4220. Provides students with in-depth, hands-on experience with networking hardware and software. Teamwork emphasized in acquiring a master of networking concepts. Occasional.

ISM 4228 BA-MIS 4(3,0) Business Programming/OOP: PR: MIS major or minor, ISM 3253, ISM 4212C, or C.I. This course will provide an introduction to object-oriented programming (OOP) and object-oriented design (OOD). Occasional.

ISM 4300 BA-MIS 3(3,0) Technology Management: PR: MIS major or minor, ISM 4113, MAN 3025, Junior Standing. The strategy and theory of the design, development, adoption, and management of new information technologies. Fall, Spring.


ISM 4400 BA-MIS 3(3,0) Decision Support: PR: MIS major or minor, ISM 3011. Computer-based quantitative models and decision support systems in organizations. Fall, Spring.


ISM 4941 BA-MIS 3(0,3) Internship in MIS: PR: ISM 3253, ISM 4212C, and ISM 3011, 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 5020 BA-MIS 1.5(1,5,0) MIS Foundations: PR: Acceptance to Graduate Study. Information systems are an integral part of modern organizations. This course provides an introduction to information systems from an organizational and managerial perspective. Occasional.

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: Completion of ISM 5021 and Graduate Standing. Using a traditional life-cycle approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.

ISM 5127 BA-MIS 3(3,0) Concepts of Database Design and Administration: PR: ISM 5020 and admission to graduate study. MIS major or minor in term of graduation. Introduces concepts and methodologies related to the effective utilization of data by organizations. A database life-cycle approach is used to organize course content. Occasional.

ISM 5219 BA-MIS 3(3,0) Business Intelligence Systems: PR: All BS and MIS technical courses required for admission to the MSMS program. Modern paradigms in data analysis. The detection of useful patterns and relationships in databases. Occasional.

ISM 5256 BA-MIS 3(3,0) Concepts of Business Programming: PR: Admission to Graduate Study. Principles of programming including program design, fundamental programming concepts, and database access. Occasional.

ISM 5315 BA-MIS 3(3,0) Information Systems Project Management: PR: Graduate standing or C.I. This course introduces students to the concept of project management including project scope, cost, time and quality. Occasional.
ITW 3100 CAH-LANG 3(3,0)
Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3101 CAH-LANG 3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

ITW 3600 CAH-LANG 3(3,0)

JOU 2100C COS-COMM 3(3,1)
News Reporting: PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. Newsgathering and writing for the mass media. Fall, Spring.

JOU 3100 CAH-LANG 3(3,0)
Advanced Reporting: PR: Journalism major or Magazine Writing minor, a minimum grade of “C” (2.0) in JOU 2100C, and a minimum grade of “C” (2.0) in JOU 3004. Advanced in-depth study of news reporting and writing. Fall, Spring.

JOU 3101 COS-COMM 3(3,0)
History of American Journalism: Development of mass media, leading innovators, and the media role in the nation's history. Fall, Spring.

JOU 3102 COS-COMM 3(3,0)
Editing I: PR: Journalism major or Magazine Writing minor, a minimum grade of “C” (2.0) in JOU 3101. Writing and editing of news articles. Fall, Spring.

JOU 3103 COS-COMM 3(3,0)
Editing II: PR: Journalism major or Magazine Writing minor, a minimum grade of “C” (2.0) in JOU 3102. Practical aspects of editing. Fall, Spring.

JOU 3113C COS-COMM 3(2,1)
Sports Reporting: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Covering sports for the print media; issues, principles, and practices. Occasional.

JOU 3510 COS-COMM 3(3,0)
Magazine Publishing: PR: Journalism major or Magazine Writing minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Spring.

JOU 4181 COS-COMM 3(3,0)
Public Affairs Reporting: PR: Journalism major, and a minimum grade of “C” (2.0) in both JOU 2100C and JOU 3—_3 Metro Reporting. Reporting on city, county and state government. Fall, Spring.

JOU 4211C COS-COMM 3(2,1)
Informational Graphics: PR: JOU major and a minimum grade of “C” (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. Occasional.

JOU 4223C COS-COMM 3(2,1)
Page Design: PR: Journalism major and JOU 3202 or VIC 3001. Designing newspaper pages, including stories, headlines, and other content. Occasional.

JOU 4224 COS-COMM 3(3,0)
Magazine Editing and Production: PR: Journalism major or Magazine Writing minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, including writing and editing skills, and editorial, business, and production requirements. Occasional.

JOU 4300 COS-COMM 3(3,0)
Feature Writing: PR: Journalism major or Magazine Writing minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. Occasional.

JOU 4308 COS-COMM 3(3,0)
Freelance Writing: PR: Journalism major or Magazine Writing minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

JOU 4340C COS-COMM 3(1,3)
On-line Journalism I: PR: A minimum grade of “C” (2.0) in JOU 2100C, and PUR 3100. The development, impact and problems of using the Internet as a journalistic tool. Writing and design news for the Web. Occasional.

JOU 4341C COS-COMM 3(1,3)

JOU 4342C COS-COMM 3(2,1)

JOU 4700 COS-COMM 3(3,0)

JPN 1120 CAH-LANG 4(4,1)
JPN 2200 CAH-LANG 3 (3,1) Intermediate Japanese Language and Civilization: I: Pr: JPN 1121 or equivalent. This course aims to aid in acquiring and refining the acquisition of the four skills in modern Japanese: speaking, listening, reading, and writing. The emphasis is on accurate communication in Japanese. The culture of Japan will also be studied. Fall.

JPN 2201 CAH-LANG 3 (3,1) Intermediate Japanese Language and Civilization II: Pr: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. Spring.


JPN 3760 CAH-LANG 3 (3,0) Advanced Japanese Conversation: Pr: JPN 1121 or equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. Occasional.

JST 3005 CAH-JUD 3 (3,0) Tenets of Judaism: Pr: ENC 1101 and ENC 1102. Values, practices, and beliefs that define Judaism. Occasional.


JST 3121 CAH-JUD 3 (3,0) Classic Texts of Judaism: Pr: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Quirman documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.


JST 3126 CAH-JUD 3 (3,0) Romantic Love in the Bible: Pr: ENC 1102. Junior standing. The dimensions of romantic love in the Hebrew Bible, focusing on the depiction of human feelings of love and relationships, the nature of man-woman interactions in ancient Israel. Occasional.

JST 3144 CAH-JUD 3 (3,0) Dead Sea Scrolls: Pr: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. Occasional.

JST 3312 CAH-JUD 3 (3,0) Identity and Genre: Pr: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.

JST 3312H CAH-JUD 3 (3,0) Honors Jewish Identity and Genre: Pr: ENC 1102 and consent of Honors. Literary genres in Jewish and Hebrew literature of the 18th and 19th centuries as related to the intellectual quest for Jewish identity and modernism. With Honors content. Occasional.

JST 3401 CAH-JUD 3 (3,0) The Jewish People I: Introduction survey of the history and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.

JST 3402 CAH-JUD 3 (3,0) The Jewish People II: The life and history of the Jews in the medieval and modern worlds. Spring.

JST 3450 CAH-JUD 3 (3,0) Modern Jewish Experience: Pr: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. Occasional.

JST 3481 CAH-JUD 3 (3,0) 20th Century Jewish History and Thought: Pr: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Sobotovitch, within the historical context of European immigration to the U.S. Occasional.

JST 3550 CAH-JUD 3 (3,0) Introduction to Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.

JST 3701 CAH-JUD 3 (3,0) History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.

JST 3751 CAH-JUD 3 (3,0) Literature of the Holocaust: A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew Literature. Occasional.


JST 3820 CAH-JUD 3 (3,0) Modern Hebrew Culture: The Development of the State of Israel. Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. Occasional.

JST 3814 ED-TLP 3 (3,0) Literature for Children: Pr: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. Fall, Spring.

LAE 3414 ED-TLP 3 (3,0) Language Arts in the Elementary School: Pr: EDG 4233 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. Fall, Spring.

LAE 3432 ED-TLP 3 (3,0) Teaching Language and Composition: Pr: EDG 4233; CR: LAE 3460 and ESE 3940. Techniques and methods in teaching grammar, usage, dialect, and composition; includes meeting the needs of the new English language learner. Fall, Spring.

LAE 3460 ED-TLP 3 (4,3,2) English Instructional Analysis: Pr: EDG 4233. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. Fall, Spring.

LAE 3461 ED-TLP 3 (3,0) English Composition and Composition: Pr: EDG 4233 or ETV 3385 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. Fall, Odd Spring.

LAE 4464 ED-TLP 3 (3,0) Survey of Adolescent Literature: This course is designed to explore adolescent literature from both an educational and a historical perspective. Fall.

LAE 5195 ED-TLP 3 (3,0) CFWP Teacher Consultant: Pr: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools. Occasional.

LAE 5295 ED-TLP 1-3 (1-3,0) Writing Workshop: Pr: C.I. Students will engage in exploration and practice of effective writing strategies. May include teaching small groups of students. May be repeated for credit. Fall, Spring.

LAE 5319 ED-TLP 3 (3,0) Methods of Elementary School Language Arts: Pr: EDG 4233. Principles, procedures, organization and current practices in reading, writing, listening, and speaking. Fall.

LAE 5337 ED-TLP 3 (3,0) Literacy Strategies for Middle and Secondary Teaching: Pr: EDG 6236 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. Occasional.

LAE 5338 ED-TLP 3 (3,0) Teaching Writing in Middle and High School: Pr: EDG 6236 or C.I. Techniques and methods in teaching dialects, semantics, and the various grammars within the context of writing. Fall, Spring.

LAE 5346 ED-TLP 3 (3,0) Methods of Teaching English Language Arts: Pr: EDG 6236 or C.I. Designed for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. Fall, Spring.

LAE 5367 CAH-ENG 3 (3,0) English Composition and Literature for Teachers of Advanced Placement: Pr: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach Advanced Placement courses. Occasional.

LAE 5415 ED-TLP 3 (3,0) Children's Literature in Elementary Education: Survey of children's literature: criteria for selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curricula. Spring.
LAE 5465 ED-TLP 3(3,0)
Literature for Adolescents: PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. Fall.

LAE 5495 ED-TLP 3(3,0)
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.

LAH 3130 CAH-HIST 3(3,0)

LAH 3200 CAH-HIST 3(3,0)

LAH 3400 CAH-HIST 3(3,0)
History of Mexico and Central America: PR: EUH 2000 and 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. Occasional.

LAH 3470 CAH-HIST 3(3,0)
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.

LAH 4461 CAH-HIST 3(3,0)

LAH 4480 CAH-HIST 3(3,0)

LAH 4742 CAH-HIST 3(3,0)
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.

LAH 5713 CAH-HIST 3(3,0)
Colloquium in U.S.-Latin American Relations: PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. Occasional.

LAS 4023 CAH-AAS 3(3,0)
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.

LAT 1120 CAH-LANG 4(4,1)
Elementary Latin Language and Civilization I: PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.

LAT 1120H CAH-LANG 4(4,1)
Honors Elementary Latin Language and Civilization I: PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language, with honors-level content. Occasional.

LAT 1121 CAH-LANG 4(4,1)
Elementary Latin Language and Civilization II: PR: LAT 1120 or equivalent. Continuation of LAT 1120. Spring.

LAT 1121H CAH-LANG 4(4,1)
Honors Elementary Latin Language and Civilization II: PR: LAT 1120H or equivalent permission of Honors. Continuation of LAT 1120H, with honors-level content. Occasional.

LIN 3010 CAH-ENG 3(3,0)

LIN 3640 COS-PSYCH 3(3,0)
Psychology of Oral Communication: Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.

LIN 3716 HPA-COMD 3(3,0)
Language Development: Birth Through 8 Years.: PR: DEP 2004. Study of the language acquisition process in children from birth through eight years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 3717 HPA-COMD 3(3,0)
Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4100 CAH-ENG 3(3,0)

LIN 4615 CAH-ENG 3(3,0)

LIN 4643 CAH-ENG 3(3,0)
Cross Cultural Communication: PR: ENC 1102 and Junior standing or C.I. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.

LIN 4643H CAH-ENG 3(3,0)
Honors Cross-Cultural Communication: PR: ENC 1102 and Sophomore standing. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4711 HPA-COMD 3(3,0)
Language Analysis: PR: LIN 3716 and LIN 3717. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. Fall, Spring.

LIN 4711L HPA-COMD 1(0,1)
Language Analysis Lab: PR: LIN 3716 and LIN 3717. Introduction to procedures for sampling, analyzing and describing language samples across the lifespan. Graded S/U. Fall, Spring.

LIN 4801 CAH-ENG 3(3,0)
Language and Meaning: PR: ENC 1102 and Sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137 CAH-ENG 3(3,0)
Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(3,0)
English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2000 CAH-ENG 3(3,0)
Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of fiction, drama, verse: conflict, characterization, point of view, rhetorical and poetic devices, figurative language, verse forms; application of critical approaches to selected works. Occasional.

LIT 2110 CAH-ENG 3(3,0)
World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0)
World Literature II: PR: ENC 1102. Readings from More, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H CAH-ENG 3(3,0)
World Literature II – Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content. Occasional.

LIT 3082 CAH-ENG 3(3,0)
Continental European Fiction Since 1900: PR: ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192 CAH-ENG 3(3,0)
Caribbean Literature: PR: ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture, in English. Occasional.

LIT 3192H CAH-ENG 3(3,0)
Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture, taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG 3(3,0)
Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3313 CAH-ENG 3(3,0)
UCF Courses and Descriptions

LIT 3313H CAH-ENG 3(3,0) Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3383 CAH-ENG 3(3,0) Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3(3,0) Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3394 CAH-ENG 3(3,0) Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.

LIT 3394H CAH-ENG 3(3,0) Honors Literature of AIDS: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS. Essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.

LIT 3482 CAH-ENG 3(3,0) Literature & Popular Culture: PR: ENC 1102. Analysis of media to determine popular values in the formation of popular cultural perceptions. Occasional.

LIT 3823 CAH-ENG 3(3,0) Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. Occasional.

LIT 3905 CAH-ENG 3(3,0) Directed experience in Literature: PR: ENC 1102. C.I. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 3911H CAH-ENG 1(1,0) Research Methods — Honors: PR: Permission of Honors. Introduction to scholarship and practical research in literature and writing. Occasional.

LIT 4043 CAH-ENG 3(3,0) Modern Drama As Literature: PR: ENC 1102 and ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4184 CAH-ENG 3(3,0) Irish Literature: PR: ENC 1102 and ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4303 CAH-ENG 3(3,0) Post-World War II Fiction: PR: ENC 1102 and ENG 3014. An investigation of various modes of reality in the works of significant postmodernist world authors, crossing cultural boundaries. Occasional.

LIT 4374 CAH-ENG 3(3,0) Literature of the Bible: PR: ENC 1102 or ENG 3014 or C.I. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Occasional.

LIT 4374H CAH-ENG 3(3,0) Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. Occasional.

LIT 4433 CAH-ENG 3(3,0) Literature of Science and Technology: PR: ENC 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(3,0) Advanced Feminist Theories: PR: 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/or 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 5039 CAH-ENG 3(3,0) Studies in Contemporary Poetry: PR: Graduate status or senior standing or C.I. English language poetry from 1945 to the present. Emphasis will be on American poets, but others such as English or Australian will be included. Occasional.

LIT 5097 CAH-ENG 3(3,0) Studies in Contemporary Fiction: PR: Graduate status or senior standing or C.I. Fiction in the last 20 years in the United States and Britain. May be repeated for credit when content is different. Occasional.

LIT 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.

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 19th centuries. Occasional.

LIT 5389 CAH-ENG 3(3,0) Studies in Gender & 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 5435 CAH-ENG 3(3,0) Rhetoric of Science: PR: Graduate standing or C.I. To engage in rhetorical analysis of traditional scientific texts and critically examine the discourse of technology. Occasional.

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.


MAA 4227 COS-MATH 3(3,0) Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. Spring.

MAA 5210 COS-MATH 4(4,0) Topics in Advanced Calculus: PR: MAA 4226 or equivalent, graduate status or senior standing, or C.I. Topics in multivariable calculus, including limits, continuity, integration, differentiation, Taylor's theorem, inverse and implicit function theorems. Fall.

MAA 5405 COS-MATH 3(3,0) Complex Variables: PR: MAC 2313, and graduate status or senior standing or C.I. Analytic functions. Integration in the complex plane. Laurent series and residue calculus. Inversion of Laplace transformations. Conformal mappings. Applications in engineering and the physical sciences. Fall.

MAA 5416 COS-MATH 3(3,0) Foundations of Analysis: PR: MAA 4226, and graduate status or senior standing or C.I. Topological spaces, compactness results, connectedness, analytical and differentiable manifolds, topological groups, Lie groups, representation theory for classical groups, Green, Stoke and Gauss' theorems. Odd Spring.

MAC 1105 COS-MATH 3(3,0) College Algebra: PR: Intermediate algebra or 2 years of high school algebra or C.I. Inequalities. High degree polynomials. Graphs, rational, logarithmic, and exponential functions. Systems of equations, matrices, determinants, induction. This course prepares students for higher-level mathematics courses. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1105H COS-MATH 3(3,0) Honors College Algebra: PR: Appropriate score on placement test and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic), analysis of conic sections, analysis of systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The "NC" grading policy applies to this course. Occasional.

MAC 1114 COS-MATH 3(3,0) College Trigonometry: PR: MAC 1105 or 2 years of high school algebra or C.I. The circle arc length, circular functions, identities, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solving. The "NC" grading policy applies to this course. Fall, Spring.
MAC 2147 COS-MATH 5(5,0) Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical backgrounds who do not want to go directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. Even Fall, Spring.

MAC 2233 COS-MATH 3(3,0) Concepts of Calculus: PR: MAC 1105 or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2111. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2241 COS-MATH 4(4,0) Calculus for Life Sciences: PR: MAC 1105. Discrete dynamical systems, derivatives and dynamics, applications of derivatives, integrals and their applications. For biologists and others required to have one semester of calculus. The "NC" grading policy applies to this course. Occasional.

MAC 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 2253 or MAC 2111. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2254 COS-MATH 3(3,0) Applied Calculus II: PR: MAC 2253 or C.I. Continuation of MAC 2253. Fall, Spring.

MAC 2311 COS-MATH 4(4,0) Calculus with Analytic Geometry I: PR: MAC 1105 and MAC 1114 or equivalent or C.I. The differential and integral calculus of algebraic and elementary transcendental functions with geometric and physical applications. Topics from analytic geometry include coordinate systems, vectors, lines, conic sections, transformations of coordinates, and polar coordinates. During the 2nd and 3rd semesters the topics also include sequences and series, Taylor series, and the differential and integral calculus for functions of several variables. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0) Calculus with Analytic Geometry I (Honors): PR: Permission of Honors. Differential and integral calculus, emphasizing understanding basic concepts and their applications. Students will complete projects on their own. For honors students from all disciplines, The "NC" grading policy applies to this course. Occasional.

MAC 2312 COS-MATH 4(4,0) Calculus with Analytic Geometry II: PR: MAC 2311 or C.I. Continuation of MAC 2311. Fall, Spring.


MAC 2313 COS-MATH 4(4,0) Calculus with Analytic Geometry III: PR: MAC 2312 or C.I. Continuation of MAC 2312. Fall, Spring.


MAC 3103H COS-MATH 3(3,0) Systems Modeling and Simulation: PR: Permission of Honors and MAC 2312. Population growth dynamics; spread of an epidemic; ecological predator-prey relationships; insulin and its use in the control of diabetes; economic systems. Occasional.

MAC 31204 COS-MATH 3(3,0) Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAC 4203 COS-MATH 4(4,0) Combinatorics and Graph Theory I: PR: MAC 2312, STA 2023, and MGF 3302. Counting principles, inclusion/exclusion principle, recurrence relations, generating functions, properties of graphs and digraphs, trees, path problems, coloring planar, connectiveness matchings and coverings, applications. Fall.

MAC 5205 COS-MATH 3(3,0) Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polya's theory of counting; Latin squares and rectangles; block designs; cost-ing theory; probabilistic methods; hypergraphs; applications. Odd Spring.

MAC 2801 ED-TLP 4(3,1) Elementary School Mathematics: PR: MAC 1105 or MGF 1106. Mathematics appropriate for the elementary school, including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAC 4300 ED-CFCS 3(3,0) Exploring Mathematics: Provides students with the knowledge and skills to design, implement, and facilitate the development of mathematics concepts and skill through an integrated developmentally appropriate curriculum. Fall.

MAC 4326 ED-TLP 4(3,1) How Children Learn Mathematics: PR: M.A. 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall, Spring.

MAC 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.


MAC 5315 ED-TLP 3(3,0) Current Methods in Elementary School Mathematics: PR: EDG 4323. Strategies of instruction of computation and concepts of number, geometry, and measurement; instructional materials. (Meets Elementary Education certification requirements.). Fall, Spring.

MAC 5327 ED-TLP 3(3,0) Teaching Middle School Mathematics: PR: EDG 6236 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.

MAC 5336 ED-TLP 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4323 or EDG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAC 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 3025 BA-MAN 3(3,0) Management of Organizations: PR: Junior standing and business major or minor, ACG 2071, ACO 2033, ECO 2023. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 3(3,0) Honors Management of Organizations: PR: Junior standing and business major or minor, permission of Honors, ACG 2071, ACO 2023 and ECO 2023. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Applicable to honors students. Occasional.

MAN 3304 BA-MAN 3(3,0) Management of Human Resources: PR: Management major, MAN 3025, Junior Standing. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.

MAN 4029 BA-MAN 3(3,0) 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 3025. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN 3(3,0) Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.
UCF Courses and Descriptions

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)

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: Management major, GEB 4361. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0)
Business Ethics and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 3(3,0)
Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403 and GEB 3031. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 4720H BA-MAN 3(3,0)

MAN 4802 BA-MAN 3(3,0)
Entrepreneurship: PR: GEB 3031 or (MAN 3025 and MAR 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing financing and developing a new venture. Fall, Spring.

MAN 4804 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. Even Fall, Even Spring.

MAN 4941 BA-MAN 3(3,0)
Management Internship: PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. NOTE: MAN 4941 may not be counted for restricted elective credit in management. 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 2253 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. Fall, Spring.

MAP 4103 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)

MAP 4371 COS-MATH 3(3,0)

MAP 5106 COS-MATH 3(3,0)
Introduction to Quantitative Aspects of Modeling and Simulation: PR: MAC 2523, graduate status or senior standing, or C.I. An introduction to calculus, matrix algebra, probability and statistics, and high level programming languages. A student who has mastered this content does not have to take this course. Occasional.

MAP 5117 COS-MATH 3(3,0)
Mathematical Modeling: PR: STA 4321, MAP 4363, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Fall.

MAP 5336 COS-MATH 3(3,0)
Ordinary Differential Equations and Applications: PR: MAP 2302, and graduate status or senior standing or C.I. Existence and uniqueness of solutions of differential equations, systems of ordinary differential equations, autonomous systems, phase plane analysis, stability, bifurcations. Spring.

MAP 5385 COS-MATH 3(3,0)
Applied Numerical Mathematics: PR: MAP 2302, graduate status or senior standing, or C.I. Classical topics or numerical analysis and their applications, Romberg integration, Richardson extrapolation, Gaussian quadrature schemes. Spring.

MAP 5396 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 5219 or equivalent, ESI 4312, and graduate status or senior standing or C.I. Methods of proof, set theory; basic elements of topology, real analysis, graph theory, and matrix analysis. Occasional.

MAP 5407 COS-MATH 3(3,0)
Applied Mathematics I: PR: MAP 2302, and graduate status or senior standing or C.I. Calculus of variations, Hamilton's principle, Rayleigh-Ritz method, Sturm-Liouville theory, Green's functions for ordinary differential equations, introduction to integral equations. Fall.

MAP 5426 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.
UCF Courses and Descriptions

MCB 3203 BCBS-M&M 3(3,0)
Pathogenic Microbiology: PR: MCB 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.

MCB 3203L BCBS-M&M 1(0,3)
Pathogenic Microbiology: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee: $45.00

MCB 3522H BCBS-M&M 3(3,0)

MCB 4114C BCBS-M&M 4(3,3)

MCB 4312 BCBS-M&M 3(3,0)
Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MCB 4414 BCBS-M&M 3(3,0)
Microbial Metabolism: PR: MCB 3020C, CR: BCH 4053. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.

MCB 4503C BCBS-M&M 3(3,0)

MCB 4603 BCBS-M&M 3(3,0)
Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MCB 5205 BCBS-M&M 3(3,0)
Infectious Processes: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCB 5225 BCBS-M&M 3(3,0)
Molecular Biology of Disease: 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 5505 BCBS-M&M 3(3,0)
Molecular Virology: PR: graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 5527 BCBS-M&M 3(3,0)
Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems. Plants, including human gene therapy, novel pharmaceuticals, recombinant proteins will be discussed in depth. Fall.

MCB 5654 BCBS-M&M 3(3,0)
Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5932 BCBS-M&M 3(3,0)
Variable Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MGF 1106 COS-MATH 3(3,0)
Finite Mathematics: PR: Intermediate algebra or 2 years of high school algebra or C.I. Introduction to logical structure, sets, probability, geometry, arrays, games. This course is intended for students who are not planning to take further courses in mathematics. Fall, Spring.

MHF 3302 COS-MATH 3(3,0)

MHF 4404 COS-MATH 3(3,0)

MHS 2330 ED-CFCS 3(3,0)
Career Planning: Introduction to career and life planning theories and concepts that assists students in applying these to their own lives. Odd Fall, Even Spring.

MHS 2441 ED-CFCS 3(3,0)
Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, premartial 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 BCBS-M&M 3(3,3)
Techniques in Clinical Microscopy: Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee: $25.00

MLS 3305 BCBS-M&M 3(3,0)
Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. Spring.

MLS 3305L BCBS-M&M 1(0,6)
Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

MLS 3705 BCBS-M&M 3(3,0)
Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MLS 4334 BCBS-M&M 3(3,0)
Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MLS 4420C BCBS-M&M 1(1,2)
Clinical Mycology: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional. M&S fee: $15.00

MLS 4430C BCBS-M&M 2(1,3)
Clinical Parasitology: PR: Admission to the professional phase of the MLS program or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. Even Fall. M&S fee: $15.00

MLS 4460C BCBS-M&M 5(3,6)
Clinical Pathogenic Microbiology: PR: or CR: MCB 3203 and admission to the professional phase of the MLS program. Isolation and pathogenic bacteria and serological methods; interpretation of abnormal results, with correlation to disease. Spring. M&S fee: $45.00

MLS 4505C BCBS-M&M 3(3,0)

MLS 4550 BCBS-M&M 4(2,6)
Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee: $15.00

MLS 4625 BCBS-M&M 3(3,0)
Advanced Clinical Chemistry I: PR: CHM 2210. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MLS 4625L BCBS-M&M 1(0,3)
Advanced Clinical Chem I Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall.

MLS 4630 BCBS-M&M 3(3,0)
Advanced Clinical Chemistry II: PR: Admission to professional phase of MLS or C.I. Correlation of laboratory tests to specific human disease states. Spring.

MLS 4630L BCBS-M&M 1(0,3)

MLS 4830C BCBS-M&M 4(4,8)
Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program. MLS 4625, MLS 4630. Clinical instruction and practice in the clinical chemistry laboratory. Case studies, chemist review, hands on practice both in the student lab and affiliate. Fall. M&S fee: $15.00

MLS 4831C BCBS-M&M 4(4,8)
Interpretive & Practical Immunohematology: PR: Admission to the MLS program. MLS 4650, MLS 4650C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. Fall. M&S fee: $15.00

MLS 4832C BCBS-M&M 4(4,8)
Interpretive & Practical Hematology: PR: Admission to the the MLS program, MLS 3305, MLS 4334. Advanced study of hematology and pathophysiological correlation to hematologic disorders. Correlation of case studies and clinical practice in both student labs and clinical affiliates. Fall. M&S fee: $15.00
UCF Courses and Descriptions

MLS 4833C BCBS-M&M 4(4.8) Diagnostic Microbiology: PR: Admission to the MLS program. MLS 4460C. Practical application of modern bacteriological procedures with clinical specimens to include mycology and virology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee: $15.00

MLS 4834C BCBS-M&M 4(4.8) Advanced Instrumentation: PR: Admission to the MLS program. MLS 4833C. An examination review & practice of technologies impacting the clinical laboratory to include flow cytometry, PCR, LIS, robotics. Case studies will be a fundamental part of this course. Occasional.

MLS 4910 BCBS-M&M 1(1.0) Introduction to Clinical Research: PR: MLS 3202C, MLS 4625, MSL 4550. Introduces MLS students to different types of research within the clinical setting. Spring.


MMC 2004 COS-COMM 3(3.0) Mass Media: Introduction to the nation’s mass media, including newspapers, radio, television, magazines, advertising, and public relations. Fall. Spring.

MMC 3420 COS-COMM 3(3.0) Mass Media Research Methods: PR: Communication major. Theory and methods of research used by media professionals and academicians, focusing on radio / TV and advertising / public relations research. Fall, Spring.

MMC 4200 COS-COMM 3(3.0) Mass Communication Law: PR: SPOR 1600 or SPOR 1016 and Junior standing. Legal rights and responsibilities of the mass media. Fall, Spring.


MMC 4254 COS-COMM 3(3.0) AdPR Campaigns: PR: AdPR majors only and ADV 3500, PRR 4000 and either PRR 3100 or ADV 4101. Planning and managing communication Campaigns that integrate both advertising and public relations strategies. Even Fall, Odd Spring.

MMC 4263 COS-COMM 3(3.0) New Media Technologies: PR: Majors only, RTV 3200. An examination of the technologies impacting the communications media environment and society. Occasional.

MMC 4300 COS-COMM 3(3.0) International Media: PR: Junior standing or C.I. The student will analyze different communication systems from around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle East, Africa. Occasional.

MMC 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.

MUC 1001C ECS-AROT C 2(1.1) Foundations of Officerhip: Examines the unique duties and responsibilities of officers, organization and role of the Army, reviews skills pertaining to fitness and communication, and analyzes Army values and expected behavior. May be repeated for credit. Fall.

MUC 1002C ECS-AROT C 2(1.1) Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. Spring.

MUC 2101C ECS-AROT C 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.

MUC 2102C ECS-AROT C 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.

MUC 3201C ECS-AROT C 4(3.1) Leadership and Problem Solving: PR: Junior standing. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; executes squad battle drills. Fall.

MUC 3202C ECS-AROT C 4(3.1) Leadership and Ethics: PR: MUC 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadre leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MUC 4301C ECS-AROT C 4(3.1) Leadership and Management: PR: MUC 3202C. Discusses leadership, functions, and processes, analyzes counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. Fall.

MUC 4302C ECS-AROT C 4(3.1) Office impersonation: PR: MUC 3201C. Capstone course to explore topics relevant to second lieutenants entering the Army; describes legal aspects of decision making and leadership; and analyzes Army organization from tactical to strategic level. Spring.

MTG 4212 COS-MATH 4(4.0) Modern Geometrics: PR: MAC 2311 or C.I. Sets of axioms and finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space. Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. Fall.

MTG 4302 COS-COMM 3(3.0) Introduction to Topology: PR: MHF 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. Spring.

MTG 5526 COS-MATH 3(3.0) Differential Geometry: PR: MAA 4227, graduate status or senior standing, or C.I. Differentiable manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. Occasional.

MUC 1101C CAH-MUSIC 2(1.1) Composition I: PR: Open to qualified majors and non-music majors with C.I. Creative work in small forms. May be repeated for credit. Fall, Spring.

MUC 2104C CAH-MUSIC 2(1.1) Composition II: PR: MUC 1101C and Music or composition major. Continuation of Composition I. Competency determined by faculty jury. May be repeated for credit. Fall, Spring.

MUC 3105C CAH-MUSIC 2(1.1) Composition III: PR: MUC 1101C and MUC 2104C. Continuation of Composition II. Competence determined by faculty jury. Fall, Spring.

MUC 3311 CAH-MUSIC 3(2.2) MIDI Sequencing I: PR: Keyboard ability and reading music or C.I. Utilization of synthesizers, drum machines, and computers with MIDI sequencing software to create music. Fall, Spring. M&S fee: $15.83

MUC 4106C CAH-MUSIC 2(1.1) Composition IV: PR: MUC 1101C, MUC 2104C, MUC 3105C. Continuation of Composition III. Competence determined by faculty jury. Fall, Spring.

MUC 4313 CAH-MUSIC 3(3.0) MIDI Sequencing II: PR: MUC 4441. Junior standing or C.I. Technical aspects of MIDI usage, including MIDI specification, sysex, and MIDI machine control. Occasional.

MUC 4441 CAH-MUSIC 3(3.0) MIDI Sequencing III: PR: MUC 4441, Junior standing, and C.I. Continuation of sequencing, sampling, and inactive digital music technology. Spring. M&S fee: $15.83

MUC 4611C CAH-MUSIC 3(2.1) Computer Animation and Digital Music: PR: MUC 4441 or FIL 3286C and C.I. Music students and computer animation students work collaboratively to produce animation projects with original musical scores and sound effects. Occasional.


MUE 1291 CAH-MUSIC 1(0.1) Classroom Instruments: Instruction in recorder and guitar, as it applies to classroom usage for music educators. Odd Fall.

MUE 2040 CAH-MUSIC 2(2.0) Introduction to Music Education: PR: None. An introduction to music, education, covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MUE 2211 ED-CFC3 3(3.0) Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.

MUE 2440 CAH-MUSIC 1(0.2) String Techniques: PR: MUED major, Junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring.

MUE 2450 CAH-MUSIC 1(1.0) Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUE 2460 CAH-MUSIC 1(0.2) Brass Techniques: PR: MUED major, Junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUE 2470 CAH-MUSIC 1(0.2) Percussion Techniques: PR: MUED major, Junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee: $35.00

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MUE 3210  ED-TLP  3(2,1)
Music in the Elementary School: Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.

MUE 3451  CAH-MUSIC  1(1,0)
Woodwind Techniques II: PR: MUE 2450, MUED major, Senior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 4311  ED-TLP  2(2,0)
Elementary School Music Methods: PR: Junior standing, MUED major, Organization and administration of instruction for comprehensive music education, K-6; instructional planning, techniques, and materials for elementary music education. Fall.

MUE 4330  ED-TLP  2(2,0)
Secondary School Music Methods: PR: MUE 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.

MUE 4350  ED-TLP  2(3-2,3,0)

MUE 4480C  CAH-MUSIC  1(1,1)

MUE 4481  CAH-MUSIC  1(1,0)
Jazz Pedagogy: PR: Music major, MUT 1112 and C.I. Methods, materials and resources for teaching jazz ensembles and improvisation at the secondary school level. Occasional.

MUE 4963  CAH-MUSIC  0(1,0)
Music Education Pre-Professional Interview: PR: Internship I. Demonstration of comprehensive music education skills and knowledge. Graded S/U. May be repeated one time. Occasional.

MUE 5348C  ED-TLP  4(4,0)

MUG 3104  CAH-MUSIC  2(1,1)
Basic Conducting: Fundamental techniques and practice in conducting. Fall.

MUG 3202  CAH-MUSIC  Variable

MUG 3302  CAH-MUSIC  Variable
Instrumental Conducting and Materials: PR: MUG 3104. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials. Spring.

MUG 4103C  CAH-MUSIC  2(1,1)
Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Occasional.

MUI 2019  CAH-MUSIC  3(3,0)
American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.

MUI 2071C  CAH-MUSIC  1(0,1)
World Music Survey and Performance Laboratory: PR: MUI 1112 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. Occasional.

MUI 3361  CAH-MUSIC  3(3,0)
Music of the 19th Century: PR: MUI 4211 and MUI 4212 with grades of ‘C’ 2.0, or higher in each. Western European art music from the era of C. 1790-1914. Odd Fall.

MUI 3622  CAH-MUSIC  3(3,0)
Music and Ritual in East Asian Religions: PR: ENC 1102 and one of the following: REL 2300, HUM 2210, HUM 2230, MUL 2720, ANT 2000, ANT 2 410, WOH 2012, WOH 2022. The aural and kinetic elements of religious ceremony, focusing on the interplay of music and ritual in Buddhism, Daoism, Confucianism, Shamenism. Occasional.

MUI 4211  CAH-MUSIC  3(3,0)
History and Literature I: PR: MUI 1112. In-depth study of the development of Western musical styles from antiquity to present. Fall.

MUI 4212  CAH-MUSIC  3(3,0)
History and Literature II: PR: MUI 4211. Continuation of MUI 4211. Spring.

MUI 4218  CAH-MUSIC  1(1,0)

MUI 4963  CAH-MUSIC  0(1,0)

MUI 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.

MUL 2010  CAH-MUSIC  2(2,1)
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.

MUL 2016  CAH-MUSIC  3(3,0)
Evolution of Jazz: Survey of jazz literature and performance. Fall, Spring.
Marching Band: PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. Fall, Spring. M&S fee: $36.54

MUN 3123 CAH-MUSIC 1(0,3)
Concert Band: Open to all students with audition. Study and performance of music for large ensembles. May be repeated for credit. Fall, Spring. M&S fee: $10.00

MUN 3143 CAH-MUSIC 1(0,4)
Wind Ensemble: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. Fall, Spring. M&S fee: $10.00

MUN 3283 CAH-MUSIC 1(0,5)
Symphony Orchestra: PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3313 CAH-MUSIC 1(3,0)
University Choir: PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3323 CAH-MUSIC 1(0,3)
Women's Chorus: PR: C.I. Study and performance of music for women's voices. Open to all students. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3343 CAH-MUSIC 1(0,3)
Madrigal Singers: PR: C.I. Open to all students by audition. Extra rehearsals and Madrigal Dinners required. Tours. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3423 CAH-MUSIC 1(0,2)
Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3430 CAH-MUSIC 1(1,0)
Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3433 CAH-MUSIC 1(0,2)
Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3443 CAH-MUSIC 1(0,2)
Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3444 CAH-MUSIC 1(1,0)
Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall, Odd Spring. M&S fee: $35.00

MUN 3453 CAH-MUSIC 1(0,3)
Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring.

MUN 3483 CAH-MUSIC 1(0,2)
String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3713 CAH-MUSIC 1(0,4)
Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $8.00

MUN 3714 CAH-MUSIC 1(0,2)
Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 3717 CAH-MUSIC 1(0,3)
JazzPop Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.

MUN 3723 CAH-MUSIC 1(0,3)
Vocal Jazz Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.

MUN 3813 CAH-MUSIC 1(1,1)
Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUN 4476 CAH-MUSIC 1(0,2)
Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Spring. M&S fee: $5.00

MUO 2501C CAH-MUSIC 2(1,1)
Opera Skills: PR: Open to all students by audition. Integration of singing, acting, and movement in opera; explores basic stage movement, character preparation, and performance of opera arias. Fall.

MUO 3503 CAH-MUSIC 1(0,3)
Opera Workshop: PR: MUO 2501C, or C.I., and audition. Study, preparation, and performance of opera literature. May be repeated for credit. Fall, Spring, Occasional.

MUS 1010 CAH-MUSIC 0(9,9)
Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.

MUS 1201 CAH-MUSIC 1(1,0)
European Diction: A survey of French, German and Italian diction for music educators. Even Fall.

MUS 1952C CAH-MUSIC 3(3,0)
Study Abroad: Irish Music: PR: Graduate status or senior standing, or C.I. The emergence of technology in music. emphasis on artistic/technical skills. 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 I: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May repeat one time. Fall, Spring.

MUS 5365 CAH-MUSIC 3(3,0)
Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. Occasional.

MUT 1002 CAH-MUSIC 3(3,0)

MUT 1004 CAH-MUSIC 3(3,0)
Fundamentals of Music I: Basic music theory and reading music at the keyboard. Fall.

MUT 1111 CAH-MUSIC 2(2,1)

MUT 1112 CAH-MUSIC 2(2,1)
UCF Courses and Descriptions

MUT 1242 CAH-MUSIC 1(0,2)

MUT 2116 CAH-MUSIC 2(2,1)

MUT 2117 CAH-MUSIC 2(2,1)

MUT 2246 CAH-MUSIC 1(0,2)
Ear Training and Sight Singing I: PR: MUT 2142. Continuation of MUT 2142. Intended to be taken with MUT 2116. Fall.

MUT 2247 CAH-MUSIC 1(0,2)
Ear Training and Sight Singing II: PR: MUT 2246. Continuation of MUT 2246. Intended to be taken with MUT 2117. Spring.

MUT 2960 CAH-MUSIC 0(1,0)

MUT 2961 CAH-MUSIC 0(1,0)

MUT 2962 CAH-MUSIC 0(1,0)

MUT 3170 CAH-MUSIC 2(1,1)
Jazz Theory I: PR: MUT 1111, MUT 1112, MUT 1241, MUT 1242. Examine traditional harmony, melody, and rhythm. Fall.

MUT 3171 CAH-MUSIC 2(1,1)
Jazz Theory II: PR: MUT 3170. Continuation of Jazz Theory I; examining jazz harmony, melody, and rhythm. Odd Spring.

MUT 3401 CAH-MUSIC 3(3,0)
Counterpoint: PR: MUT 2117. Discuss, analyze, and write counterpoint exercises. 18th, 19th, and 20th scores will be examined. Even Spring.

MUT 3571 CAH-MUSIC 3(3,0)
20th Century Musical Analysis: PR: MUT 2116 and MUT 2117 or equivalent. Overview of 20th century music, including musical compositions, techniques of musical analysis, and styles. Fall.

MUT 3622 CAH-MUSIC 3(3,0)
Analytical Approaches to Musical Rhythm: PR: MUT 2117 or equivalent or C.I. Contemporary cognitive, hypermetric, and projective approaches to musical rhythm, rhythm in dance, performance, and non-Western music. Occasional.

MUT 3641 CAH-MUSIC 2(0,2)
Jazz Improvisation I: PR: MUT 3171, Junior standing or C.I. Jazz improvisation with an emphasis on listening, harmony, arranging, and jazz forms. Melodic and harmonic dictates at the keyboard. Odd Fall.

MUT 3642 CAH-MUSIC 2(0,2)
Jazz Improvisation II: PR: MUT 3641 Junior standing or C.I. A continuation of Jazz Improvisation I. Even 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 4344 CAH-MUSIC 1(1,0)

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 1211 CAH-MUSIC 1(0,1)

MUT 1212 CAH-MUSIC 1(0,1)
Secondary French Horn: Pattern of Music Chair. CR: Forming ensemble. Advanced instruction in French Horn. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MUT 1213 CAH-MUSIC 1(0,1)

MUT 2121 CAH-MUSIC 1(0,1)

MUT 2125 CAH-MUSIC 1(0,1)

MUT 3431 CAH-MUSIC 2(1,1)
French Horn I: Pattern of Music Chair and competence determined by faculty jury. Continuation of MUT 3430. May be repeated for credit. Fall, Spring.

MUT 3432 CAH-MUSIC 2(1,1)
French Horn II: Pattern of Music Chair and competence determined by faculty jury. Continuation of MUT 3431. May be repeated for credit. Fall, Spring.

MUT 3433 CAH-MUSIC 2(1,1)
French Horn III: Pattern of Music Chair and competence determined by faculty jury. Continuation of MUT 3432. May be repeated for credit. Fall, Spring.

MUT 3434 CAH-MUSIC 2(1,1)
French Horn IV: Pattern of Music Chair and competence determined by faculty jury. Continuation of MUT 3433. May be repeated for credit. Fall, Spring.

MUT 3435 CAH-MUSIC 2(1,1)
Tuba I: Pattern of Music Chair and competence determined by faculty jury. Continuation of MUT 3434. May be repeated for credit. Fall, Spring.

MUT 4441 CAH-MUSIC 2(1,1)
Trumpet I: Pattern of Music Chair and competence determined by faculty jury. Continuation of MUT 4440. May be repeated for credit. Fall, Spring.

MUT 4442 CAH-MUSIC 2(1,1)
French Horn I: Pattern of Music Chair and competence determined by faculty jury. Continuation of MUT 4441. May be repeated for credit. Fall, Spring.

MUT 4443 CAH-MUSIC 2(1,1)
French Horn II: Pattern of Music Chair and competence determined by faculty jury. Continuation of MUT 4442. May be repeated for credit. Fall, Spring.

MUT 4444 CAH-MUSIC 2(1,1)
French Horn III: Pattern of Music Chair and competence determined by faculty jury. Continuation of MUT 4443. May be repeated for credit. Fall, Spring.

MUT 4445 CAH-MUSIC 2(1,1)
Tuba I: Pattern of Music Chair and competence determined by faculty jury. Continuation of MUT 4444. May be repeated for credit. Fall, Spring.

MUT 4640 CAH-MUSIC 2(2,0)
Brass Pedagogy: PR: Music major and C.I. Methods and materials for teaching instruments in a small group or studio setting. Odd Spring.
MVB 5451 CAH-MUSIC 2(1,0)
Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5452 CAH-MUSIC 2(1,0)
French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5453 CAH-MUSIC 2(1,0)
Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5454 CAH-MUSIC 2(1,0)
Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5455 CAH-MUSIC 2(1,0)
Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVK 1111 CAH-MUSIC 1(0,2)
Class Piano I: Class instruction for beginning piano students. Not open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1211 CAH-MUSIC 1(0,1)

MVK 1213 CAH-MUSIC 1(1,1)

MVK 1411 CAH-MUSIC 2(1,1)
Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 1413 CAH-MUSIC 2(1,1)
Organ I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Occasional.

MVS 1211 CAH-MUSIC 1(0,1)

MVS 1212 CAH-MUSIC 1(0,1)

MVS 1213 CAH-MUSIC 1(0,1)

MVS 1214 CAH-MUSIC 1(0,1)

MVS 1411 CAH-MUSIC 2(1,1)
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 2(1,1)
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1)
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1)
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 2(1,1)
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVK 3431 CAH-MUSIC 2(1,1)
Piano III: PR: MVK 2421 and competence determined by faculty jury. Continuation of MVK 2421. May be repeated for credit. Fall, Spring.

MVK 3433 CAH-MUSIC 2(1,1)
Organ III: PR: MVK 2423 and competence determined by faculty jury. Continuation of MVK 2423. May be repeated for credit. Occasional.

MVK 4141 CAH-MUSIC 1(0,2)
Class Piano II: PR: MVK 1131 or C.I. Continuation of MVK 1131. Fall, Spring.

MVK 4441 CAH-MUSIC 2(1,1)
PIano IV: PR: MVK 3431 and competence determined by faculty jury. Continuation of MVK 3431. May be repeated for credit. Fall, Spring.

MVK 4443 CAH-MUSIC 2(1,1)
Organ IV: PR: MVK 3433 and competence determined by faculty jury. Continuation of MVK 3433. May be repeated for credit. Occasional.

MVK 4640 CAH-MUSIC 1(1,0)
Piano Pedagogy I: PR: C.I. Methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of procedures. May be repeated for credit. Even Fall.

MVK 4641 CAH-MUSIC 1(1,0)
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)

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.

MVP 5454 CAH-MUSIC 2(1,0)
Percussion IV: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

M&S fee: $35.00
UCF Courses and Descriptions

MVS 1416 CAH-MUSIC 2(1,1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1)
Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1)
Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1)
Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1)
Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC 2(1,1)
Violin III: PR: MVS 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 3433 CAH-MUSIC 2(1,1)
Cello III: PR: MVS 2423 and competence determined by faculty jury. Continuation of MVS 2423. May be repeated for credit. Fall, Spring.

MVS 3434 CAH-MUSIC 2(1,1)
Bass III: PR: MVS 2424 and competence determined by faculty jury. Continuation of MVS 2424. May be repeated for credit. Fall, Spring.

MVS 4441 CAH-MUSIC 2(1,1)
Violin IV: PR: MVS 3431 and competence determined by faculty jury. Continuation of MVS 3431. May be repeated for credit. Fall, Spring.

MVS 4442 CAH-MUSIC 2(1,1)
Viola IV: PR: MVS 3432 and competence determined by faculty jury. Continuation of MVS 3432. May be repeated for credit. Fall, Spring.

MVS 4443 CAH-MUSIC 2(1,1)
Cello IV: PR: MVS 3433 and competence determined by faculty jury. Continuation of MVS 3433. May be repeated for credit. Fall, Spring.

MVS 4444 CAH-MUSIC 2(1,1)
Bass IV: PR: MVS 3434 and competence determined by faculty jury. Continuation of MVS 3434. May be repeated for credit. Fall, Spring.

MVS 4445 CAH-MUSIC 2(1,1)
Harp IV: PR: MVS 3435 and competence determined by faculty jury. Continuation of MVS 3435. May be repeated for credit. Fall, Spring.

MVS 4446 CAH-MUSIC 2(1,1)
Guitar IV: PR: MVS 3436 and competence determined by faculty jury. Continuation of MVS 3436. May be repeated for credit. Fall, Spring.

MVS 4640 CAH-MUSIC 2(2,0)
String Pedagogy: PR: Music major and C.I. Methods and materials for teaching string instruments in a small group or studio setting. Even 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.

MVV 1413 CAH-MUSIC 2(1,1)
Voice II: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 1414 CAH-MUSIC 2(1,1)
Voice III: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit. Fall, Spring.

MVV 3431 CAH-MUSIC 2(1,1)
Voice IV: PR: MVS 2421 and competence determined by faculty jury. Continuation of MVS 2421. May be repeated for credit. Fall, Spring.

MVV 3432 CAH-MUSIC 2(1,1)
Voice V: PR: MVS 3431 and competence determined by faculty jury. Continuation of MVS 3431. May be repeated for credit. Fall, Spring.

MVW 1411 CAH-MUSIC 2(1,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1412 CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.
MVW 1414 CAH-MUSIC 2(1,1)  
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MVW 1415 CAH-MUSIC 2(1,1)  
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 2421 CAH-MUSIC 2(1,1)  
Flute I: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. Fall, Spring.

MVW 2422 CAH-MUSIC 2(1,1)  
Oboe I: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. Fall, Spring.

MVW 2423 CAH-MUSIC 2(1,1)  
Clarinet I: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. Fall, Spring.

MVW 2424 CAH-MUSIC 2(1,1)  
Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MVW 2425 CAH-MUSIC 2(1,1)  
Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. Fall, Spring.

MVW 3431 CAH-MUSIC 2(1,1)  
Flute III: PR: MVW 2421 and competence determined by faculty jury. Continuation of MVW 2421. May be repeated for credit. Fall, Spring.

MVW 3432 CAH-MUSIC 2(1,1)  
Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continuation of MVW 2422. May be repeated for credit. Fall, Spring.

MVW 3433 CAH-MUSIC 2(1,1)  
Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continuation of MVW 2423. May be repeated for credit. Fall, Spring.

MVW 3434 CAH-MUSIC 2(1,1)  
Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continuation of MVW 2424. May be repeated for credit. Fall, Spring.

MVW 3435 CAH-MUSIC 2(1,1)  
Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continuation of MVW 2425. May be repeated for credit. Fall, Spring.

MVW 3436 CAH-MUSIC 2(2,0)  
Woodwind Pedagogy: PR: C.I. Methods, materials for teaching individuals and woodwind ensembles. Even Fall.

MVW 4441 CAH-MUSIC 2(1,1)  
Flute IV: PR: MVW 3431 and competence determined by faculty jury. Continuation of MVW 3431. May be repeated for credit. Fall, Spring.

MVW 4442 CAH-MUSIC 2(1,1)  
Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Continuation of MVW 3432. May be repeated for credit. Fall, Spring.

MVW 4443 CAH-MUSIC 2(1,1)  
Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Continuation of MVW 3433. May be repeated for credit. Fall, Spring.

MVW 4444 CAH-MUSIC 2(1,1)  
Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Continuation of MVW 3434. May be repeated for credit. Fall, Spring.

MVW 4445 CAH-MUSIC 2(1,1)  
Saxophone IV: PR: MVW 3435 and competence determined by faculty jury. Continuation of MVW 3435. May be repeated for credit. Fall, Spring.

MVW 5451 CAH-MUSIC 2(1,0)  
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5452 CAH-MUSIC 2(1,0)  
Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5453 CAH-MUSIC 2(1,0)  
Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5454 CAH-MUSIC 2(1,0)  
Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5455 CAH-MUSIC 2(1,0)  
Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

NGR 5003 HPA-NURS 2(2,0)  
Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5004L. Concepts and skills of advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. Fall, Spring.

NGR 5004L HPA-NURS 1(0,1)  
Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Graded S/U. Fall, Spring. M&S fee: $45.00

NGR 5090 HPA-NURS 3(3,0)  
Urgent Care for the Advanced Practice Nurse: PR: NGR 6240 or C.I. Advanced practice evaluation and management of clients in urgent care settings. Occasional.

NGR 5141 HPA-NURS 3(3,0)  
Pathophysiological Bases for Advanced Nursing Practice: PR: Baccalaureate Degree in Nursing. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. Fall, Spring.

NGR 5195C HPA-NURS 3(2,1)  
International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation's health care systems. Occasional.

NGR 5252 HPA-NURS 3(3,0)  
Psycho-Social Factors and Health Care Outcomes in the Elderly: PR: Post-baccalaureate or graduate status or C.I. Interdisciplinary perspective to examine the relationship between client characteristics, client health care provider interactions and health care outcomes in the elderly. Occasional.

NGR 5635 HPA-NURS 3(3,0)  
Transdisciplinary and Community-Based Strategies of Health Professionals: PR: Graduate standing or C.I. A study of healthcare issues and strategies encountered by speech-language pathologists and nurse practitioners when promoting transdisciplinary and collaborative interactions. Occasional.

NGR 5637 HPA-NURS 3(3,0)  
Advanced Practice Nursing in Rural Settings: PR: Graduate student in COHPA. Focus is on advance practice nursing in rural environments and delivery services within constraints of sparse resources and geographical remoteness. Occasional.

NGR 5638 HPA-NURS 3(3,0)  
Health Disparities: Issues and Strategies: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different US populations: data, research, programmatic issues, and strategies to close the gaps. Occasional.

NGR 5714 HPA-NURS 3(3,0)  
Clinical Teaching Strategies for Health Professional Education: PR: EDG 6236 or Teaching Strategies for Health Professionals, or C.I. Analysis of effective teaching learning strategies with emphasis on developing techniques for teaching through technology resources. Spring.

NGR 5720 HPA-NURS 3(3,0)  
Organizational Dynamics: PR: Baccalaureate Degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. Fall.

NGR 5744 HPA-NURS 1(1,0)  
Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall, Spring.

NGR 5745 HPA-NURS 1(1,0)  
Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5746 (Roles and Issues in Advanced Practice Nursing) II. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.

NGR 5746 HPA-NURS 1(1,0)  
Cultural, legal, ethical, and political issues of Advanced Practice Nursing: PR: Baccalaureate degree in Nursing. Examine legal, ethical and political issues related to advanced practice nursing. Fall, Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Specifics</th>
</tr>
</thead>
<tbody>
<tr>
<td>NGR 5791</td>
<td>Teaching Strategies for Health Professionals</td>
<td>3(3,0)</td>
<td>PR: Bachelor's in nursing or consent of instructor</td>
<td>Analysis of internal and external controls on curriculum development for health professionals; application of selected teaching learning theories to classroom and clinical practice. Fall.</td>
</tr>
<tr>
<td>NGR 5800</td>
<td>Theory for Advanced Practice Nursing</td>
<td>3(3,0)</td>
<td>PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. Fall, Spring.</td>
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</tr>
<tr>
<td>NGR 5801</td>
<td>Research Methodology for Advanced Practice Nursing</td>
<td>3(3,0)</td>
<td>PR: Undergraduate Research Methods and Statistics or C.I. NGR 5800. Measurement strategies in nursing research, data planning and collection techniques, statistical data analysis and interpretation of results, research proposal development, outcomes research and statistical software. Fall, Spring.</td>
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</tr>
<tr>
<td>NGR 5871</td>
<td>Health Care Informatics</td>
<td>3(3,0)</td>
<td>PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. Fall.</td>
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</tr>
<tr>
<td>NGR 5880</td>
<td>Professional Ethics</td>
<td>3(3,0)</td>
<td>PR: C.I. Clinical cases and other professional ethical issues related to codes of conduct and research; application of ethical principles. May be repeated for credit. Occasional.</td>
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</tr>
<tr>
<td>NGR 5930</td>
<td>Issues in Health Care for the Homeless</td>
<td>3(3,0)</td>
<td>PR: Pre-senior level baccalaureate status or admission to the graduate program; C.I. Emphasis on socioeconomic, political, nursing, medical, health practice and research related to care of the homeless. Occasional.</td>
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</tr>
<tr>
<td>NGR 5931</td>
<td>Interdisciplinary Care at End-of-Life</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>NUR 1015</td>
<td>Nursing as a Profession</td>
<td>3(3,0)</td>
<td></td>
<td>Professional nursing roles in contemporary society, covering a range of topics using discourse methodology that forms a foundation for nursing and health care. Fall.</td>
</tr>
<tr>
<td>NUR 3026L</td>
<td>Therapeutic Interventions for Health Professionals</td>
<td>1(0,2)</td>
<td>PR: Admission to Nursing Program. Theoretical, psychomotor and psychosocial development for therapeutic interventions in nursing practice. Graded S/U. Fall, Spring. M&amp;S fee: $45.00</td>
<td></td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2(2,0)</td>
<td>PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring.</td>
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</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1(0,1)</td>
<td>CR: NUR 3065 and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&amp;S fee: $15.00</td>
<td></td>
</tr>
<tr>
<td>NUR 3128</td>
<td>Pathophysiology and Pharmacology for Nursing Practice</td>
<td>5(5,0)</td>
<td>PR: Admission to the School of Nursing. Concepts and nursing care applications of the pathophysiological basis of illness, and principles of pharmacology. Fall, Spring.</td>
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<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3(3,0)</td>
<td>PR: Admission to the BSN program; STA 2014C or 2223; for Basic program students: successful completion of the first semester; for RN to BSN students: NUR 3825 and RN status; or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.</td>
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</tr>
<tr>
<td>NUR 3167</td>
<td>Accelerated Nursing Research Seminar</td>
<td>1(2,0)</td>
<td>PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the SON, NUR 3235; NUR 3235L, NUR 3128. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.</td>
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</tr>
<tr>
<td>NUR 3235</td>
<td>Promoting Physical and Mental Health in the Community</td>
<td>5(5,0)</td>
<td>PR: Completion of all Jr. level first semester courses or C.I. Biopsychosocial nursing interventions in physical and mental health problems with emphasis on family-centered care in the community. Fall, Spring.</td>
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</tr>
<tr>
<td>NUR 3235L</td>
<td>Clinical Practice in Promoting Physical and Mental Health in the Community</td>
<td>4(0,4)</td>
<td>PR: Completion to all Jr. level first semester courses or C.I. Clinical application of biopsychosocial nursing interventions in physical &amp; mental health problems with emphasis on family-centered care in the community. Graded S/U. Fall, Spring. M&amp;S fee: $45.00</td>
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<tr>
<td>NUR 3616</td>
<td>Promoting Healthy Families Across the Lifespan</td>
<td>3(3,0)</td>
<td>PR: Admission to the School of Nursing. Theoretical foundations related to primary care nursing practice with healthy families across the lifespan, including common health concerns related to childbearing, childrearing, adulthood, and aging. Fall, Spring.</td>
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<tr>
<td>NUR 3616L</td>
<td>Clinical Practice in Promoting Healthy Families</td>
<td>3(0,3)</td>
<td>PR: Admission to the School of Nursing. Primary care clinical nursing practice in community settings with healthy families across the lifespan, including common health concerns related to childbearing, childrearing, adulthood and aging. Graded S/U. Fall, Spring. M&amp;S fee: $45.00</td>
<td></td>
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<tr>
<td>NUR 3617</td>
<td>Promoting Healthy Communities</td>
<td>3(3,0)</td>
<td>PR: Admission to the School of Nursing. Exploration of community-oriented nursing practice, including epidemiological, community health, nursing, economic, and health care system perspectives. May be repeated for credit. Fall, Spring.</td>
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</tr>
<tr>
<td>NUR 3637</td>
<td>Accelerated Promoting Healthy Families and Communities</td>
<td>5(5,0)</td>
<td>PR: Admission to Accelerated Second Degree BSN Option; NUR 3625, NUR 3026L, NUR 3825. Application of concepts of family and community nursing as it relates to health across the lifespan including childbearing, childrearing, childhood, adulthood, and aging. Occasional.</td>
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</tr>
<tr>
<td>NUR 3637L</td>
<td>Clinical Practice in Promoting Healthy Families and Communities</td>
<td>2(0,2)</td>
<td>PR: Admission to Accelerated Second Degree BSN option, Coreqs: NUR 3637, NUR 3026L, NUR 3605, NUR 3825. Primary care nursing practice with healthy communities and families across the lifespan, including common health promotion activities related to childbearing, childrearing, childhood, adulthood, and aging. Graded S/U. Occasional. M&amp;S fee: $40.00</td>
<td></td>
</tr>
<tr>
<td>NUR 3795</td>
<td>Principles of Oncology Nursing</td>
<td>3(3,0)</td>
<td>PR: C.I. or Junior standing. Basic principles and concepts in oncology. Focus on cancer as it affects individuals and families. Emphasis on cancer treatment, symptoms management and psychosocial response. Occasional.</td>
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<tr>
<td>NUR 3805</td>
<td>Transitional Concepts in Nursing I</td>
<td>3(3,0)</td>
<td>PR: Florida RN status, Exploration of issues and theories related to professional nursing practice to facilitate transition of RN to baccalaureate level of nursing practice. Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td>NUR 3806</td>
<td>Professional Socialization Seminar</td>
<td>1(1,0)</td>
<td>PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Spring.</td>
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<tr>
<td>NUR 3825</td>
<td>The Role of the Professional Nurse</td>
<td>2(2,0)</td>
<td>PR: Admission to the school of nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.</td>
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<tr>
<td>NUR 3826H</td>
<td>Biomedical and Legal Issues in Health Care -Honors</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. Includes questions concerning human values, legal and ethical questions arising in health care delivery policy issues and professional practice among licensed health care professionals. Occasional.</td>
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<tr>
<td>NUR 3936</td>
<td>International Perspectives of Nursing and Health Care</td>
<td>3(2,2)</td>
<td>PR: Enrolled in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care systems in the United States and selected countries. May be repeated for credit. Occasional.</td>
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<tr>
<td>NUR 4084</td>
<td>Transitional Concepts in Nursing II</td>
<td>3(3,0)</td>
<td>PR: NUR 3805, NUR 3065, NUR 3165. Enhancement of knowledge from basic registered Nurse programs and continuation of study from NUR 3805. Fall, Spring.</td>
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<tr>
<td>NUR 4196</td>
<td>Crisis Intervention</td>
<td>3(3,0)</td>
<td>PR: Completion of PSY 2012, STG 2000 or ANT 2000. Crisis theory and techniques; recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions. Occasional.</td>
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</tr>
<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3(3,0)</td>
<td>PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.</td>
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</tr>
<tr>
<td>NUR 4286</td>
<td>Gerontologic Nursing</td>
<td>3(3,0)</td>
<td>PR: NUR 4265 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.</td>
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<tr>
<td>NUR 4525</td>
<td>Nursing Intervention in Mental Illness</td>
<td>2(2,0)</td>
<td>PR: Completion of all Jr. level Fall and Spring courses or C.I. Nursing application of theory, treatment modalities, and skills specific to clients with a primary diagnosis of mental illness. Fall, Spring.</td>
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<tr>
<td>NUR 4525L</td>
<td>Clinical Practice with Mentally Ill Clients</td>
<td>1(0,1)</td>
<td>PR: Completion of all Jr. level Fall and Spring courses or C.I. Clinical practice in acute healthcare settings serving clients with a primary diagnosis of mental illness. Graded S/U. Fall, Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Hours</td>
<td>Notes</td>
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<tr>
<td>NUR 4636</td>
<td>Community as the Continuum of Care</td>
<td>3(0)</td>
<td>PR: Completion of all Jr. level and Sr. Fall courses or C.I. Theory and principles of community health nursing and application to clinical practice within a community-oriented framework for nursing care. Fall, Spring.</td>
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<tr>
<td>NUR 4636L</td>
<td>Clinical for Community as the Continuum of Care</td>
<td>2(0,2)</td>
<td>PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Clinical application of theories and principles of community health nursing and application to clinical practice within a community-oriented framework for nursing care. Graded SU. Fall, Spring.</td>
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</tr>
<tr>
<td>NUR 4829</td>
<td>Accelerated Transitioning into Professional Practice as a Leader</td>
<td>3(3,0)</td>
<td>PR: NUR 4745, NUR 4745L, NUR 4525, NUR 4525L, NUR 3167. CR: NUR 4945L, NUR 4639, NUR 4639L. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.</td>
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<tr>
<td>NUR 4835</td>
<td>Role Transition</td>
<td>2(2,0)</td>
<td>PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Professional development and role transition of the baccalaureate graduate entering professional nursing practice. Spring.</td>
<td></td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3(3,0)</td>
<td>PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. Fall, Spring.</td>
<td></td>
</tr>
<tr>
<td>NUR 4838L</td>
<td>Directed Practicum in Nursing Administration</td>
<td>2(0,2)</td>
<td>CR: NUR 5720. Clinical practice in an area of nursing administration. Graded SU. Occasional.</td>
<td></td>
</tr>
<tr>
<td>NUR 4905C</td>
<td>Variable Nursing Independent Study</td>
<td>3(3,0)</td>
<td>PR: NUR 4756C and NUR 3805. Occasional.</td>
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<tr>
<td>NUR 4906</td>
<td>Variable Independent Study</td>
<td>3(3,0)</td>
<td>Directed Study. Occasional.</td>
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<tr>
<td>NUR 4907H</td>
<td>Directed Reading/Research-Honors</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Occasional.</td>
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</tr>
<tr>
<td>NUR 4930</td>
<td>Health Issues in Minority and Special Populations</td>
<td>3(3,0)</td>
<td>PR: Nursing Majors/Junior Level, or C.I. Identify and critically analyze structural and social-cultural factors that influence the health of minorities and special populations. Occasional.</td>
<td></td>
</tr>
<tr>
<td>NUR 4934</td>
<td>Holistic Nursing</td>
<td>3(3,0)</td>
<td>PR: ENC 1102, Junior standing, or C.I. Holistic nursing: Explore lived experience of health-wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.</td>
<td></td>
</tr>
<tr>
<td>NUR 4936</td>
<td>Women’s Health Issues</td>
<td>3(3,0)</td>
<td>PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit. Fall.</td>
<td></td>
</tr>
<tr>
<td>NUR 4942</td>
<td>Selected Nursing Practicum</td>
<td>3(0,9)</td>
<td>PR: NUR 4756C and NUR 4760C. An opportunity for an in-depth clinical study in an area of special interest to the student. Graded SU. Occasional.</td>
<td></td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4(0,4)</td>
<td>PR: Admission to the BSN program; STA 204C or 203; for Basic program successful completion of the first three semesters; for RN to BSN students; NUR 3805 and RN status or C.I. Designed to enhance student's knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded SU. Spring.</td>
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</tr>
<tr>
<td>NUR 4971H</td>
<td>Thesis or Project Works-Honors</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. This course provides students with faculty mentoring through the process of writing and defending the Honors Thesis or Project. Occasional.</td>
<td></td>
</tr>
<tr>
<td>OSE 3490</td>
<td>OPT-OPT</td>
<td>3(3,0)</td>
<td>Nanophotonics: PR: PHY 2049 or C.I. Opticalphotic processes on nano scale and interactions with elements of physics &amp; engineering. Occasional.</td>
<td></td>
</tr>
<tr>
<td>OSE 5041</td>
<td>OPT-OPT</td>
<td>3(3,0)</td>
<td>Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or C.I. Electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.</td>
<td></td>
</tr>
<tr>
<td>OSE 5050</td>
<td>OPT-OPT</td>
<td>3(3,0)</td>
<td>Fundamentals and Applications of Photonics: PR: Graduate standing or C.I. Introduction to optics and photonics emphasizing the concepts governing applications of current interest for science and engineering senior and first-year graduate students and working scientists and engineers. Occasional.</td>
<td></td>
</tr>
<tr>
<td>OSE 5051L</td>
<td>OPT-OPT</td>
<td>3(1,4)</td>
<td>Optical Devices Laboratory: PR: EEL 4440 or OSE 5041 or C.I. Study of laboratory techniques for optical measurements and performance of measurements on electro-optic devices to determine optical characteristics. Occasional.</td>
<td></td>
</tr>
<tr>
<td>OSE 5111</td>
<td>OPT-OPT</td>
<td>3(3,0)</td>
<td>Optical Wave Propagation: PR: Graduate standing or C.I. Optical propagation of light waves as applied to isotropic, anisotropic, and inhomogeneous media, guided waves and Gaussian beams. Odd Fall, Even Spring.</td>
<td></td>
</tr>
<tr>
<td>OSE 5115</td>
<td>COS-PHYS</td>
<td>3(3,0)</td>
<td>Interference and Diffraction: PR: Graduate status or senior standing, or C.I. Interference of light, optical interferometry, Fraunhofer and Fresnel scalar diffraction, diffraction gratings, temporal coherence, spatial coherence, and partial coherence. Fall, Odd Spring.</td>
<td></td>
</tr>
</tbody>
</table>
and components in optical systems.

Fundamentals of Optical Science: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials; wave propagation, introduction to lasers and nonliner optics. Even Fall. Odd Spring.

Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. Even Fall.

Integrated Optics: PR: Graduate standing or C.I. The propagation and loss characteristics in dielectric optical waveguides, fundamental concepts of both integrated and fiber optic devices, numerical modeling of complex integrated optical components. Odd Spring.

Laser Principles: PR: PHY 3101, MAP 2302, PHY 4424, graduate status or senior standing, or C.I. Classical introduction to the basic principles of laser gain media, properties of resonators and modes, description of specific laser systems. Occasional.

Thin Film Optics: PR: PHY 4424 or EEL 4440 and OSE 5530C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.


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.

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.

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.

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.

Intergovernmental Administration: Various approaches to studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the local setting. Fall.

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.

Non-Profit Organizations: PR: PAD 3003 or C.I. The operations of non profit organizations, including working with board of directors, volunteer services, fund-raising and grantsmanship, financial management and marketing. Fall, Spring.

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.

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.

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.

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.

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.

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.

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.

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.

Urban Design: CR: PAD 3330 or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. Spring.
American Humanics Internship: PR: Enrollment in American Humanics AH Certification Program, completion of 2 AH restricted courses and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanics certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.

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.

Nonprofit Organizations: PR: Admission to certificate program or C.I. Overview of nonprofit management, including history, governance structures, criteria used to establish nonprofit status, range of organizations, and application of management theory. Fall, Spring.

Volunteerism in Nonprofit Management: PR: Admission to certificate program or C.I. Human resource development in nonprofit organizations, including board selection, development and leadership, volunteer recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.


Introduction to Urban Planning: Issues of urbanization, regional development; land use and comprehensive planning, environmental planning, and social planning. Fall.

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.

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.

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.

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.


Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. Occasional.
UCF Courses and Descriptions

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 COS-BIOL 3(3,0)


PCB 4524H COS-BIOL 3(3,0)

Molecular Biology II-Honors: PR: Permission of Honors and PCB 3522. Same as PCB 4524 with honors level content. Spring.

PCB 4529 COS-BIOL 3(3,0)


PCB 4683 COS-BIOL 4(4,0)

Population Biology and Evolution: PR: PCB 3044 and PCB 3063 or equivalents. Demographic and genetic structure of populations and their relationship to speciation, adaptation, and macroevolutionary processes in plants and animals. Fall, Spring.

PCB 4683L COS-BIOL 1(0,2)

Population Biology and Evolution Lab: PR: or CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. Fall, Spring. M&S fee: $10.00

PCB 4723 COS-BIOL 4(4,0)

Animal Physiology: PR: PCB 3023 or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. Fall.

PCB 4805 COS-BIOL 3(3,0)

Endocrinology: PR: PCB 3703C or equivalent; CHM 2211. Mechanisms of action of hormones; interrelationship between the nervous and endocrine systems. Occasional.

PCP 5045C COS-BIOL 4(3,2)

Conservation Biology: PR: PCB 3044 and PCB 3063 or C.I. Scientific basis of conservation; conservation of ecosystems, populations, exploited species, and endangered species. Weekend field trips are required. Occasional. M&S fee: $15.00

PCB 5048C COS-BIOL 4(2,4)

Restoration Ecology: PR: PCB 3044, BSC 4312C, or graduate standing or C.I. General principles of assisting recovery of degraded, damaged or destroyed ecosystems. Occasional.

PCB 5107C COS-BIOL 4(3,2)

Advanced Cell Biology: PR: PCB 3063 and PCB 3023, graduate status or senior standing, or C.I. Review of selected topics in cell biology with emphasis on current research in areas of membrane structure, protein targeting, cytoskeleton, signaling and cell cycle. Occasional. M&S fee: $15.00

PCB 5108 COS-BIOL 4(4,0)

Concepts in Plant Cell Biology: PR: PCB 3023 and PCB 3063 or graduate standing or C.I. Plant cell biology, including cytoskeletal dynamics, cell signaling, cell cycle regulation, protein targeting and organelle structure and function. Spring.

PCB 5238 BCBS-M&M 3(3,0)

Immunobiology: PR: PCB 3233. PCB 4239. Advanced topics in immune system dysregulation with special emphasis on innate immunity. Spring.

PCB 5239 BCBS-M&M 3(3,0)

Tumor Biology: PR: PCB 4524. A course designed to provide an introduction and broad overview of the current knowledge and research in the field of cancer biology. Occasional.

PCB 5256C COS-BIOL 4(3,2)

Advanced Developmental Biology: PR: PCB 3063 and ZOO 4603C or equivalent, graduate status or senior standing, or C.I. Focus on the study of the processes restructuring cells and tissues through development and understanding of the underlying principles of molecular biology. Spring.

PCB 5275 BCBS-M&M 3(3,0)

Signal Transduction Mechanisms: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. Occasional.

PCB 5326C COS-BIOL 5(3,2)

Ecosystems of Florida: PR: PCB 3044, PCB 3044L or equivalent, and graduate status or senior standing or C.I. Ecosystems of Florida will be discussed to include geography, geology, climate, energetics, nutrient cycling, community structure and conservation. Occasional. M&S fee: $15.00

PCB 5328C COS-BIOL 4(3,2)

Landscape Ecology: PR: PCB 3044, STA 2023, graduate status or senior standing, or C.I. Influence of spatial heterogeneity on ecological processes. Emphasizes quantitative methods (e.g., GIS, remote sensing and modeling) to characterize landscape patterns and dynamics. Occasional. M&S fee: $15.00

PCB 5435C COS-BIOL 4(2,6)

Marine Ecology of Florida: PR: BSC 4312C, graduate status or senior standing, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature. Odd Spring. M&S fee: $45.00

PCB 5480C COS-BIOL 4(3,2)

Quantitative Conservation Biology: PR: MAC 2131, PCB 3044, STA 2014C or C.I. Current methods of data analysis and modeling to evaluate biological population dynamics. May be repeated for credit one time. Occasional.

PCB 5485 COS-BIOL 3(3,0)

Models in Ecology: PR: PCB 3044, MAC 2131 (or equivalent), and graduate status or senior standing or C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature. Occasional. M&S fee: $15.00

PCB 5556 COS-BIOL 3(3,0)

Conservation Genetics: PR: PCB 3063 and PCB 4683, Applications of genetic models to the understanding and conservation of animal and plant populations. Occasional. M&S fee: $15.00

PCB 5665C COS-BIOL 4(3,2)

Human Genetics: PR: PCB 3063, graduate status or senior standing, or C.I. Human Genetics provides a theoretical framework for understanding the biology of the human species. Occasional. M&S fee: $15.00

PCB 5677 COS-BIOL 3(3,0)

Molecular Evolution: PR: PCB 3063 and PCB 4683, graduate status or senior standing, or C.I. Provides an overview of molecular methods currently used to analyze diversity within and among species. Occasional.

PCO 4203 COS-PSYCH 4(3,2)

Interviewing and Counseling: PR: PSY 3012, PPE 3003, CLP 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-TLP 2(1,1)

Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEL 2111 ED-TLP 2(1,1)

Bowling: A study of the fundamentals of bowling techniques and the development of skills based on those fundamentals. Fall, Spring.

PEL 2112 ED-TLP 2(1,1)

Intermediate Bowling: PR: PEL 2111, bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

PEL 2121 ED-TLP 2(1,1)

Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring.

PEL 2122 ED-TLP 2(1,1)


PEL 2341 ED-TLP 2(1,1)

Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2342 ED-TLP 2(1,1)

Intermediate Tennis: PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2640 ED-TLP 2(1,1)

Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEM 2101 ED-TLP 2(1,1)

Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2104 ED-TLP 3(2,1)

Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.
UCF Courses and Descriptions
PET 4312 ED-TLP 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: PET 4303C. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Fall.

PET 4351C ED-TLP 3(2,1) Applied Exercise and Human Physiology: PR: ZOO 3735C, ZOO 3736C or appropriate human anatomy course. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to physical education and sport. Fall, Spring.

PET 4401 ED-TLP 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 4491 ED-TLP 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.

PET 4550 ED-TLP 3(3,0) Fitness Assessment: PR: ZOO 3736C or C.I. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Occasional.

PET 4603 HPA-HP 3(3,0) Introduction to Athletic Training: PR: Athletic Training majors only. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. Occasional.

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: PET 3671C. 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 3620C and PET 3629C. Recognition and evaluation skills required to perform an injury assessment of the lower extremity, spine, and general medical conditions and provision of immediate management. Spring.

PET 4625 ED-TLP 3(3,0) Human Injuries: Mechanisms & Prevention: PR: PET 2622C and ZOO 3736C or C.I. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sports and fitness. Fall.


PET 4640 ED-TLP 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 3671C. Administrative knowledge in the athletic training profession. Fall.

PET 4672C HPA-HP 4(0,8) Practicum in Athletic Training II: PR: PET 3671C. Advanced clinical internship with increased responsibilities under the supervision of a Certified athletic trainer. Fall.

PET 4673C HPA-HP 4(0,8) Practicum in Athletic Training III: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a Certified athletic trainer. Spring.


PET 4710 ED-TLP 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-TLP 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-TLP 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-TLP 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-TLP 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-TLP 9-12 (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-TLP 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. May be repeated for credit. Graded SU. Occasional.

PET 4945 ED-TLP 12 (0,35) Internship II: 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.
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

Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3410C and PGY 4420C, or admission into MFA Graduate Program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be repeated for credit twice. Occasional.

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.

Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.


Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

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.

Philosophical 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.

Philosophy of Mind: PR: PHI 2010 or PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personal identity, and the relation of psychology to neurobiology. Occasional.


Philosophical Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. Occasional.
PHI 3625  CAH-PHIL  3(3,0)
Virtual Ethics: PR: COP 3502C or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.

PHI 3626  CAH-PHIL  3(3,0)
Advanced Ethics in Science and Technology: PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3629  CAH-PHIL  3(3,0)

PHI 3638  CAH-PHIL  3(3,0)

PHI 3640  CAH-PHIL  3(3,0)
Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.

PHI 3648  CAH-PHIL  3(3,0)
Ethical Implications of the Human Genome Project: PR: BSC 2000, 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, utilitarianism, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metatheoretical 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. Philosophes 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 5328 CAH-PHIL 3(3,0) Philosophies of Embodiment: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Relations among mind, body, and nature. Knowledge of self, world and others as articulated by Western philosophy, with special emphasis on embodied cognition. Occasional.

PHI 5329 CAH-PHIL 3(3,0) Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0) Research Methods in the Cognitive Sciences: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.

PHI 5627 CAH-PHIL 3(3,0) Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3680, or Graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.

PHI 5665 CAH-PHIL 3(3,0) Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3680, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4634, or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5687 CAH-PHIL 3(3,0) Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.

PHM 3100 CAH-PHIL 3(3,0) Freedom and Justice: Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. Occasional.

PHM 3123 CAH-PHIL 3(3,0) Feminist Theories: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. Even Fall.

PHM 3401 CAH-PHIL 3(3,0) Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or PSC 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.

PHM 4031 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHM 5035 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.


PHP 3783 CAH-PHIL 3(3,0) Modernity as a Philosophical Problem: PR: PHI 2010 or PHI 3640 or C.I. Modernity in the philosophies of Kant, Hegel, Nietzsche, Heidegger, Derrida, Rorty, and others. Occasional.

PHP 3786 CAH-PHIL 3(3,0) Existentialism: Study of existentialist analysis and criticism of the human situation as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.

PHP 4782 CAH-PHIL 3(3,0) Phenomenology: PR: Junior standing and three Philosophy courses. The philosophy developed in the 20th century in the writings of Husserl, Heidegger, Sartre, Merleau-Ponty, De Beauvoir and Derrida. Odd Spring.


PHT 3069L HPA-HP 2(0,4) Physical Assessment Lab: CR: PHT 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. Occasional.

PHT 3112 HPA-HP 2(2,0) Gross Anatomy/Neuroscience I: PR: Admission into the Physical Therapy program. CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

PHT 3112L HPA-HP 2(0,6) Gross Anatomy/Neuroscience I Lab: CR: PHT 3112L. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. Occasional.

PHT 3113 HPA-HP 2(2,0) Gross Anatomy/Neuroscience II: CR: PHT 3112. CR: PHT 3113L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Occasional.

PHT 3113L HPA-HP 3(3,0) Gross Anatomy/Neuroscience II Lab: CR: PHT 3113L. Directed laboratory experiences with cadaver dissection: use of the skeleton, models, and computer programs to facilitate learning. Occasional.

PHT 3122 HPA-HP 3(3,0) Clinical Kinesiology: CR: PHT 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. Occasional.

PHT 3122L HPA-HP 2(0,6) Clinical Kinesiology Lab: CR: PHT 3122L. Lab course investigating the mechanical aspects of human movement. Occasional.

PHT 3155 HPA-HP 2(2,0) Physiology of Therapeutic Exercise: CR: PHT 3155L. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems. Occasional.

PHT 3155L HPA-HP 2(0,4) Physiology of Therapeutic Exercise Lab: CR: PHT 3155L. Lab course emphasizing the clinical application of exercise physiology. Occasional.


PHT 3259L HPA-HP 1(0,2) Patient Care Skills Lab: CR: PHT 3259. Lab course covering basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.


PHT 4222L HPA-HP 1(0,2) Therapeutic Exercise I Lab: CR: PHT 4222L. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Occasional.

PHT 4230 HPA-HP 2(2,0) Therapeutic Exercise II: PR: PHT 4222, PHT 4222L, CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.

PHT 4230L HPA-HP 1(0,2) Therapeutic Exercise II Lab: CR: PHT 4230L. Lab course emphasizing use of various therapeutic exercise modalities. Occasional.

PHT 4307 HPA-HP 3(3,0) Pathology/Pharmacology: PR: PHT 3131. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they relate to medical management in physical therapy practice. Occasional.

PHT 4308 HPA-HP 2(2,0) Medical Science and Pharmacology: CR: PHT 4308. The impact on movement and posture of various orthopedic and neurological disorders; drugs used in their management. Related neuropathology and orthopedic pathology to the study of movement. Occasional.

PHT 4610 HPA-HP 2(1,3) Clinical Research Problems I: PR: Enrollment in the PT program. Introduction to the profession of physical therapy. Occasional.

PHT 5000 HPA-HP 2(2,0) Foundations of Physical Therapy I: PR: Admission to the PT program. Introduction to the profession of physical therapy. Occasional.

UCF Courses and Descriptions

PHT 5115 HPA-HP 2(2,0)
Gross Anatomy/Neuroscience I: PR: Admission to PT program. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

PHT 5115L HPA-HP 2(0,4)
Gross Anatomy/Neuroscience I Lab: PR: Admission to PT program. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. Occasional. M&S fee: $45.00

PHT 5118 HPA-HP 2(2,0)
Gross Anatomy/Neuroscience II: PR: PR Gross Anatomy/Neuroscience I and Lab; CR Gross Anatomy Neuroscience II Lab. Directed Laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. Fall. M&S fee: $25.00

PHT 5118L HPA-HP 2(0,4)
Gross Anatomy/Neuroscience II Lab: PR: Gross Anatomy Neuroscience I and Lab; CR Gross Anatomy Neuroscience II Lab. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Fall.

PHT 5125 HPA-HP 2(2,0)
Clinical Kinesiology: CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissues of relevant human tissues. Occasional. M&S fee: $15.00

PHT 5125L HPA-HP 2(0,2)
Clinical Kinesiology Lab: CR: PHT 5125. Concerned with the theoretical and practical application of concepts of human movement, joint mechanics of the upper and lower extremity, vertebral column and soft tissues. Occasional. M&S fee: $15.00

PHT 5156 HPA-HP 2(2,0)
Physiology of Therapeutic Exercise: PR: Admission to PT program. Exercise physiology investigates the physiological responses and adaptations to human movement including cardiovascular and pulmonary. Occasional.

PHT 5156L HPA-HP 2(0,4)
Physiology of Therapeutic Exercise Lab: CR: PHT 5156. Lab course emphasizing the clinical application of exercise physiology. Occasional. M&S fee: $15.00

PHT 5218 HPA-HP 2(2,0)
Theories and Procedures I: PR: CR Theories and Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage; problem solving rationale and selection of interventions for inflammation, pain, edema, and weakness. Spring. M&S fee: $15.00

PHT 5218L HPA-HP 1(0,2)
Theories and Procedures I Lab: PR: CR Theories and Procedures I Lab course on the clinical applications of heat, light, cold, water, sound, and massage. Spring. M&S fee: $15.00

PHT 5240 HPA-HP 1(0,1)

PHT 5240L HPA-HP 2(0,4)
Physical Assessment Lab: PR: CR Physical Assessment. Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee: $25.00

PHT 5241 HPA-HP 2(2,0)

PHT 5241L HPA-HP 2(0,4)
Therapeutic Exercise Exercise Lab I: PR: Therapeutic Exercise I. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Spring. M&S fee: $15.00

PHT 5260 HPA-HP 2(2,0)
Patient Care Skills: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. Fall.

PHT 5260L HPA-HP 1(0,2)
Patient Care Skills Lab: CR: Patient Care Skills. Skills of patient care, transfers, mobility skills. Fall. M&S fee: $25.00

PHT 5306 HPA-HP 2(2,0)
Pathology/Pharmacology: PR: Admission to PT program. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they related to medical management in physical therapy practice. Occasional.

PHT 5411 HPA-HP 3(3,0)
Foundations of Physical Therapy II: This course emphasized the psychosocial aspects of disability. Focus on cultural diversity issues, communication skills, and different styles of learning and teaching. Occasional.

PHT 5718 HPA-HP 2(2,0)

PHT 5718L HPA-HP 1(0,2)
Neurological Physical Therapy Lab: CR: Physical Neurological Physical Therapy Lab Course emphasizing the clinical application of selected neuromotor theories. Occasional. M&S fee: $15.00

PHT 5722C HPA-HP 2(2,1)
Physical Therapy Integration I: PR: Admission to PT program. Problem solving approach to selected dysfunctions, including burns and open wounds, and selected diagnostic procedures and therapy interventions. Occasional. M&S fee: $15.00

PHT 5805 HPA-HP 1(0,4)
Clinical Education: PR: Admission to PT program. Full-time supervised clinical education in physical therapy settings. Application of objectives of courses previously completed. Graded SUS. Spring.

PHY 2048 L1 COS-PHYS 3(3,0)
Physics for Engineers and Scientists: PR: PHY 2048 or PHY 2049. Electricity, magnetism, optics. Fall, Spring.

PHY 2048 H1 COS-PHYS 3(3,0)
Honors Physics Laboratory for Engineers and Scientists: PR: Permission of Honors and MAC 2311 or equivalent. Same as PHY 2048L with honors-level content. Occasional.

PHY 2049 COS-PHYS 3(3,0)
Physics for Engineers and Scientists II: PR: MAC 2312 and PHY 2048 or PHY 2048H. Electricity, magnetism, optics. Fall, Spring.

PHY 2049H COS-PHYS 3(3,0)
Honors Physics Laboratory for Engineers and Scientists II: PR: Permission of Honors and PHY 2049 and PHY 2048H. Fall, Spring. M&S fee: $15.00

PHY 2053C COS-PHYS 4(3,3)
College Physics I: PR: MAC 1105 and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&S fee: $15.00

PHY 2054C COS-PHYS 4(3,3)
College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&S fee: $15.00

PHY 2048L COS-PHYS 1(0,3)
Physics Laboratory for Engineers and Scientists I: CR: PHY 2048. Laboratory experiments covering selected topics in physics related to PHY 2048. Fall, Spring. M&S fee: $15.00

PHY 2049 COS-PHYS 3(3,0)
Honors Physics Laboratory for Engineers and Scientists II: PR: PHY 2049 and PHY 2049H. Electricity, magnetism, optics. Fall, Spring.

PHY 2053C COS-PHYS 4(3,3)
College Physics I: PR: MAC 1105 and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&S fee: $15.00

PHY 2054C COS-PHYS 4(3,3)
College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&S fee: $15.00

PHY 2048L COS-PHYS 1(0,3)
Physics Laboratory for Engineers and Scientists I: CR: PHY 2048. Laboratory experiments covering selected topics in physics related to PHY 2048. Fall, Spring. M&S fee: $15.00

PHY 2049 COS-PHYS 3(3,0)
Physics Laboratory for Engineers and Scientists II: CR: PHY 2049. Laboratory experiments covering selected topics in physics related to PHY 2049. Fall, Spring. M&S fee: $15.00

PHY 3101 COS-PHYS 3(3,0)
Physics for Engineers and Scientists III: PR: MAC 2313 and PHY 2049 or PHY 2049H. Thermodynamics, oscillations, modern physics. Fall, Spring.

PHY 3101H COS-PHYS 3(3,0)
Honors Physics for Engineers and Scientists III: PR: Permission of Honors and PHY 2049 or PHY 2049H. Same as PHY 3101 with honors-level content. Occasional.

PHY 3220 COS-PHYS 3(3,0)

PHY 3323 COS-PHYS 3(3,0)
Electricity and Magnetism: PR: PHY 2049, MAP 2302. Electromotors, magnetostatics, Lorentz force current electricity, Maxwell’s equations. Fall.

PHY 3513 COS-PHYS 3(3,0)
Thermal and Statistical Physics: PR: PHY 3101 or PHY 3110H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.

PHY 3722C COS-PHYS 3(1,5)
UCF Courses and Descriptions

PHY 3752C COS-PHYS 3(1,5)

PHY 3802I COS-PHYS 3(1,5)
Intermediate Physics Laboratory: PR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 4324 COS-PHYS 3(3,0)

PHY 4424 COS-PHYS 3(3,0)

PHY 4424L COS-PHYS 3(0,3)
Optical Physics Laboratory: A laboratory course on geometric optics, interference, diffraction, materials and modern optics. Occasional.

PHY 4445 COS-PHYS 3(3,0)

PHY 4604 COS-PHYS 3(3,0)

PHY 4605 COS-PHYS 3(3,0)

PHY 4803L COS-PHYS 3(1,5)

PHY 4942C COS-PHYS 3(2,3)

PHY 5015C COS-PHYS 3(2,2)
Physics for Teachers II: PR: Graduate status or senior standing or C.I. "Hands-on" lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.

PHY 5100 COS-PHYS 1(1,0)
Topics in Contemporary Physics for Teachers: PR: Graduate status or senior standing or C.I. The study of recent findings in a selected area such as particle physics, surface physics, planetary atmospheres, lasers, geophysics, etc. May be repeated for credit. Occasional.

PHY 5140C COS-PHYS 3(3,2)
Ion-Solid Interactions: PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principals and related scientific and technological applications of ion-solid interactions. Odd Spring.

PHY 5200C COS-PHYS 1(0,5,1,5)
Newtonian Mechanics for Teachers: PR: Graduate status or senior standing or C.I. A lab, lecture, demonstration course studying selected topics in classical mechanics. Occasional.

PHY 5300C COS-PHYS 1(0,5,1,5)
Electricity for Teachers: PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. Occasional.

PHY 5302C COS-PHYS 1(0,5,1,5)

PHY 5346 COS-PHYS 3(3,0)
Electrodynamics II: PR: PHY 4342, 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.

PHY 5401C COS-PHYS 1(0,5,1,5)
Optics for Teachers: PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. Occasional.

PHY 5455 COS-PHYS 3(3,0)
Modern X-Ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern x-ray optics, x-ray lasers, etc., with a review of basic properties of x-rays. Occasional.

PHY 5465C COS-PHYS 1(0,5,1,5)
Wave Motion for Teachers: PR: Graduate status or senior standing or C.I. Water waves, waves on strings, sound and vibrations. Occasional.

PHY 5500C COS-PHYS 1(0,5,1,5)
Thermal Physics for Teachers: PR: Graduate status or senior standing or C.I. Engines, heat pumps, kinetic theory, phase changes, radiation, weather. Occasional.

PHY 5524 COS-PHYS 3(3,0)

PHY 5606 COS-PHYS 3(3,0)
Quantum Mechanics I: PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrodinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHY 5650 COS-PHYS 3(3,0)

PHY 5817L COS-PHYS 1(0,3)
Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&S fee: $45.00

PHY 5846C COS-PHYS 3(3,3)
Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall, Spring.

PHY 5933 COS-PHYS 3(3,0)
Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.

PHZ 3113 COS-PHYS 3(3,0)
Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.

PHZ 3151 COS-PHYS 3(3,0)

PHZ 3422 COS-PHYS 3(3,0)
Nanophysics: PR: PHY 2040 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. Occasional.

PHZ 5156 COS-PHYS 3(3,0)
Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHZ 5304 COS-PHYS 3(3,0)
Nuclear and Particle Physics: PR: PHY 4604 of equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.

PHZ 5405 COS-PHYS 3(3,0)
Condensed Matter Physics: PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHZ 5425C COS-PHYS 3(3,3)
Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electronic interactions with solids, Classroom and hands-on laboratory content. Occasional.

PHZ 5432 COS-PHYS 3(3,0)

PHZ 5505 COS-PHYS 3(3,0)
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PHZ 5600 COS-PHYS 1(1,0)
Special Relativity for Teachers: PR: Graduate status or senior standing or C.I. Length contraction, time dilation, simultaneity, conservation of mass-energy, conservation of momentum, Compton scattering. Occasional.
PLA 3013 HPA-C/LS 3(3,0)
Law and the Legal System: A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

PLA 3104 HPA-C/LS 3(3,0)
Legal Research: PR: PLA 3013 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall, Spring.

PLA 3155 HPA-C/LS 3(3,0)
Legal Writing: PR: PLA 3104. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3104. Fall, Spring.

PLA 3201 HPA-C/LS 3(3,0)
Civil Practice and Procedure: PR: PLA 3013 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3201H HPA-C/LS 3(3,0)
Civil Practice and Procedure - Honors: PR: Permission of Honors and PLA 3013 or C.I. Same as PLA 3201 with honors level content. Occasional.

PLA 3273 HPA-C/LS 3(3,0)
The Law of Torts: PR: PLA 3013 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of torts cases. Fall, Spring.

PLA 3304 HPA-C/LS 3(3,0)
Criminal Law: Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

PLA 3308 HPA-C/LS 3(3,0)
Criminal Procedure: PR: PLA 3013 or CCJ 3024 or C.I. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3610 HPA-C/LS 3(3,0)
Property and Real Estate Law: PR: PLA 3013. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 4020 HPA-C/LS 3(3,0)
Law and Society: Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.

PLA 4223 HPA-C/LS 3(3,0)
Advanced Trial Advocacy: PR: PLA 4010 or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.

PLA 4240 HPA-C/LS 3(3,0)

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 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 Content. 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 4631 HPA-C/LS 3(3,0)
Land Use and Environmental Law: PR: PLA 3013, PLA 3610. Study of the law relating to private and public restraints on land use, including planning, zoning, subdivision and building regulations, with emphasis on recent interpretations by judiciary for environmental protection. Occasional.

PLA 4700 HPA-C/LS 3(3,0)

PLA 4710 HPA-C/LS 1(1,0)
Careers in Legal Studies: PR: Major in Legal Studies or C.I. Applications of Legal Studies. Students will explore options in legal studies, professional development, and ethics. Graded S/U. Occasional.

PLA 4732 HPA-C/LS 3(3,0)
Advanced Legal Applications Computer Software: PR: PLA 3013 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today’s law firms and law-related fields. Occasional.

PLA 4763 HPA-C/LS 3(3,0)

PLA 4800 HPA-C/LS 3(3,0)
Domestic Relations Law: PR: PLA 3013 and PLA 3610, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-C/LS 3(3,0)
Juvenile Law and Procedure: PR: PLA 3013 or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-C/LS 3(3,0)
Sports Law: PR: PLA 3013 or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.

PLA 4824 HPA-C/LS 3(3,0)

PLA 4825 HPA-C/LS 3(3,0)
Entertainment Law: PR: PLA 3013 or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4826 HPA-C/LS 3(3,0)

PLA 4830 HPA-C/LS 3(3,0)
World Legal Systems: PR: PLA 3013 or equivalent. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.

PLA 4910 HPA-C/LS 3(4,0)
Trial Advocacy: PR: PLA 3013 or C.I. Analysis of the entire litigation process form the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

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)
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.

Elementary Portuguese Language and Civilization II: PR: POR 1120 or C.I. Continuation of POR 1120. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

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.


Southern Politics: PR: POS 2041 or C.I. Study of southern politics past and present. Emphasis on factors effecting changes in the region and the states. Southern and national relationship examined. Spring.

Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.

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.

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.

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.
POT 4025 COS-POLS 3(3,0)
Ancient, Medieval and Early Modern Political Philosophy: Study of the development of political and social ideas in western thought from early Greece through the 17th century. Occasional.

POT 4054 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 POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.

POT 4066 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 liberalism, and communitarian Marxism, libertarianism, and feminist critiques of liberalism. Occasional.

POT 4109 COS-POLS 3(3,0)
Politics and Literature: PR: Junior standing. An examination of politics and the political process through the medium of literature. Occasional.

POT 4305 COS-POLS 3(3,0)
The State, Society, and the Individual: PR: Junior standing or C.I. The relationship between the state, society, and the individual by discussing the works of major authors from Adam Smith to Robert Axelrod. Fall.

POT 4314 COS-POLS 3(3,0)
Contemporary Democratic Theory: PR: POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. Occasional.

POT 4331 COS-POLS 3(3,0)
Utopia/Dystopia: PR: POS 2041 or C.I. Examines political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias. Occasional.

POT 4345 COS-POLS 3(3,0)
Pan-Africanist Thought: PR: INR 2002. Philosophical assumptions, theoretical frameworks, ideological orientations and sociopolitical thinkers that have contributed to the tradition of Pan-Africanist thought. Occasional.

POT 4414 COS-POLS 3(3,0)
Marxist Political Theory: Survey of Marx & Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted Marxist principles for governance. Occasional.

POT 4632 COS-POLS 3(3,0)
Religion and Politics: PR: Junior standing. Institutional and individual relationship of religion and politics including globalization, fundamentalism, secularization, American exceptionalism, political behavior, and the religious origins of current secular concepts. Occasional.

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 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-PHYS 3(3,0)
Physical Science: PR: MAC 1105 or MGF 1106. 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-PHYS 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 3(2,2)
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

PSY 2012 COS-PSYCH 3(3,0)
General Psychology: 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 3213C COS-PSYCH 4(3,2)
Research Methods in Psychology: PR: PSY 2012 and 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 4(3,2)

PSY 3302 COS-PSYCH 3(3,0)

PSY 33320C COS-PSYCH 3(2,2)

PSY 3624 COS-PSYCH 3(3,0)

PSY 3630 COS-PSYCH 3(3,0)

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. May be repeated for credit. Graded S/U. Fall, Spring.

PSY 4025 COS-PSYCH 3(3,0)
The Psychology of Art: PR: PSY 2012, and ARH 2505 or ARH 2501. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.
PSY 4213L COS-PSYCH 3(0,3) Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4213C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. Occasional. M&S fee: $15.00

PSY 4215C COS-PSYCH 4(3,2) Advanced Research Methods in Psychology: PR: PSY 3213C. Design, analysis, and interpretation of complex research projects in psychology. Fall, Spring. M&S fee: $20.00

PSY 4305C COS-PSYCH 3(1,4) Advanced Psychological Measurement: PR: or CR: PSY 3302. Application of the theory underlying psychological test and measurement procedures, including reliability, validity, and item analysis. Occasional.

PSY 4604 COS-PSYCH 3(3,0) History and Systems of Psychology: PR: EXP 3404 and PPE 3003. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 5605 COS-PSYCH 3(3,0) History and Systems of Psychology: PR: Acceptance to Clinical Psychology Ph.D. program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the Ph.D. in Clinical Psychology; in certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014 COS-POLS 3(3,0) Comparative Public Policy: PR: POS 2041 or C.P. 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3,0) Environmental Politics: PR: POS 2041 or C.I. An examination of policies and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

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 inter-face between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3,0) Space Policy: An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602 COS-POLS 3(3,0) Politics of Health: PR: C.I. Analysis of public health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. Occasional.

PUP 4744 COS-POLS 3(3,0) Government and Business: PR: Junior standing or C.I. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931 COS-POLS 3(3,0) Topics in Public Policy: Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be repeated once. Occasional.

PUP 5100 COS-COMM 3(2,1) Writing for Public Relations: PR: AdPR Majors only. Development of skills in writing for public relations. Fall, Spring.

PUP 5400 COS-COMM 3(3,0) Public Relations: PR: SPC 1600. Principles and practice of Public Relations including techniques, research tools, publicity, and management. Fall, Spring.

PUP 4110C COS-POLS 3(1,3) Public Relations Publications: PR: ENC 2210 or PUR 3100 or JON 2102C or ENC 3200. Basic principles and techniques of desktop production of public relations publications. Fall, Spring.

PUP 4203 COS-COMM 3(3,0) PR/Advertising Ethics and Law: PR: Admission to the Advertising/Public Relations (B.A.) and ADV 3000. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Fall, Spring.

PUP 4800 COS-COMM 3(3,0) Public Relations Campaigns: PR: Majors only, PUR 4000 or C.I. Planning and execution of public relations campaigns for profit and non-profit organizations. Occasional.

PUP 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 3(3,0) Radiation Therapy Physics I: PR: Acceptance to program. Study of radiation production, properties, interactions, measurement, and protection. Occasional.

RAT 4247 HPA-HP 3(3,0) Radiation Oncology I: Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4248 HPA-HP 3(3,0) Radiation Oncology II: Methods of treatment of malignant conditions of the nervous system, eye, reproductive system, urinary system, connective tissue, and lympho-reticular system. Occasional.


RAT 4619C HPA-HP 4(3,3) Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.


RED 3012 ED-TLP 3(3,0) Basic Foundations of Reading: PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.
UCF Courses and Descriptions

RED 3310 ED-CFCS 3(3,0)
Emerging Literacy: PR: Admission to program, or C.I. Investigates emergence of readingWriting processes during preschool, kindergarten, and early first grade years. Spring.

RED 4043 ED-TLP 3(3,0)
Content Reading in Kindergarten through Grade 12: PR: Admission to the teacher education program and junior or senior class standing. Content literacy in the K-12 school curriculum: principles, strategies, assessment, and promoting practices. Fall, Spring.

RED 4311 ED-CFCS 3(3,0)
Development of Literacy: PR: RED 3310. Methods for development of reading and writing process during primary (first - third) grades. Fall.

RED 4519 ED-TLP 3(3,1)
Diagnostic and Corrective Reading Strategies: PR: RED 3012 or C.I. and admission to Phase II. An investigation of the needs of individual learners in reading instruction. Organization and techniques for promoting optimum reading growth. Concurrent school experiences required. Fall, Spring.

RED 5147 ED-TLP 3(3,0)

RED 5514 ED-TLP 3(3,1)
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading: instructional materials. Case study required. Even Fall, Spring.

REE 3043 BA-FIN 3(3,0)

REE 3433 BA-FIN 3(3,0)
Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.

REE 4103 BA-FIN 3(3,0)

REE 4203 BA-FIN 3(3,0)
Commercial Real Estate Finance: PR: FIN 3403; open to majors or minors which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204 BA-FIN 3(3,0)
Residential Real Estate Finance: PR: Fin 3403; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

REE 4303 BA-FIN 3(3,0)

REE 4732 BA-FIN 3(3,0)
Real Estate Development: PR: FIN 3403. The real estate development process, from the inception of a project through to lease-up, long-term financing, and final sale to the investment community. Fall.

REL 2300 CAH-PHIL 3(3,0)
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 2300H CAH-PHIL 3(3,0)

REL 3111 CAH-PHIL 3(3,0)
Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2300 or REL 2300 or FIL 1001. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 3115 CAH-PHIL 3(3,0)

REL 3131 CAH-PHIL 3(3,0)

REL 3162 CAH-PHIL 3(3,0)

REL 3340 CAH-PHIL 3(3,0)
Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. Odd Fall, Spring.

REL 3432 CAH-PHIL 3(3,0)
Roots of Western Mysticism: PR: HUM 3431, HUM 3405, HUM 3552, HUM 3553, HUM 4203, HUM 4554, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4110 CAH-PHIL 3(3,0)
Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2000. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.

REL 4901 CAH-PHIL 1(1,0)
Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student’s best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. Occasional.

REL 4910 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. Occasional.

RET 3026C HPA-HP 4(3,3)
Introduction to Respiratory Care: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. M&S fee: $45.00

RET 3174 HPA-HP 3(3,0)
Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. Spring.

RET 3264C HPA-HP 3(2,3)
Mechanical Ventilation: PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.

RET 3483C HPA-HP 3(2,1)
Respiratory Clinical Assessment: PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. Spring.

RET 3484C HPA-HP 4(3,3)
Cardiopulmonary Physiology: PR: PCB 3700C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. Fall. M&S fee: $18.00

RET 3874 HPA-HP 5(1,16)

RET 3875 HPA-HP 8(1,24)
Clinical Practice II: PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. Fall.

RET 4034 HPA-HP 3(3,0)

RET 4244 HPA-HP 3(3,0)

RET 4284 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics I: PR: RET 4244. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. Fall.

RET 4285 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics II: PR: RET 4244 and RET 4284. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, stent placement use, and heart surgery. Spring.

RET 4414C HPA-HP 4(3,3)
Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional. M&S fee: $14.00
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RET 4441 HPA-HP 4(3,3)  

RET 4443 HPA-HP 4(3,3)  
Advanced Cardiac Ultrasound: PR: RET 4284 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.

RET 4503 HPA-HP 3(3,0)  
Chest Medicine: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.

RET 4536 HPA-HP 3(3,0)  
Cardiopulmonary Rehabilitation: PR: RET 3026C & RET 3484C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.

RET 4715 HPA-HP 3(3,0)  

RET 4876 HPA-HP 8(1,24)  

RET 4934 HPA-HP 2(2,0)  
Selected Topics in Respiratory Therapy: PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.

RET 5910 HPA-HP 3(3,0)  
Research Methods in Cardiopulmonary Physiology: Introduction to methods used in scientific and medical research in cardiopulmonary physiology. Literature review, experimentation, and data analysis. Occasional.

RMI 3011 BA-FIN 3(3,0)  
Principles of Risk and Insurance: PR: FIN 3403. Emphasis is on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.

RTE 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 radiography. 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 3964C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barier 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)  

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 3684C 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 3804 HPA-HP 4(0,16)  
Clinical Education I: PR: RTE 3111C or C.I. Supervised clinical practice in radiographic procedures, radiation protection, patient care, equipment. Spring.

RTE 4022 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 quality assurance specifications. Occasional.

RTE 4026 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 4029 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)  
Radiobiology: 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 radiology 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, arthrography, hysterosalinography, and thoracography. 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 Imager: A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. Fall.

RTE 4782 HPA-HP 2(2,0)  

RTE 4814L HPA-HP 5(0,20)  
Clinical Education II: PR: RTE 3804. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the chest, abdomen, extremities and shoulder girdle. Occasional.

RTE 4824L HPA-HP 6(0,24)  
Clinical Education III: PR: RTE 4814L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the pelvis, thoracic cavity, vertebral column and portable and surgical radiography. Fall.

RTE 4834 HPA-HP 4(0,16)  
Clinical Education IV: PR: RTE 4824L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranium, facial bones, and special procedures. Spring.

RTE 4844 HPA-HP 4(0,16)  
Clinical Education V: PR: RTE 4834. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on surgical and special procedure examinations. Occasional.

RTE 4854 HPA-HP 2(0,8)  
Advanced Clinical Practicum: PR: RTE 4824L. Supervised clinical experience and/or practice in computed tomography, interventional, vascular, and magnetic resonance imaging, Spring.

RTE 4903 HPA-HP 2(0,8)  
Directed Study in Radiologic Education: PR: EVT 3371 or EDG 4523 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional.

RTV 2102 COS-R/TV 3(3,0)  
RTV 3000 COS-R/TV 3(3,0) Development and Structure of Electronic Media and New Technology: PR: SPC 1600 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall, Spring.


RTV 3210C COS-R/TV 4(4,3) 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. Fall, Spring. M&S fee: $30.00

RTV 3223C COS-R/TV 3(3,3) Lighting for Video: PR: RTV 3228C and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera video production. Odd Fall, Spring. M&S fee: $30.00

RTV 3226C COS-R/TV 4(4,3) Studio Television Production: PR: RTV 3200 and RTV major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics. Odd Fall, Even Spring. M&S fee: $30.00

RTV 3231C COS-R/TV 4(1,3) Broadcast Announcing and Performance: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Fall, Spring. M&S fee: $15.00

RTV 3260C COS-R/TV 4(4,3) Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today’s radio listener. Fall.

RTV 3263C COS-R/TV 3(3,3) Advanced Video Post-Production: PR: RTV 3260C and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Fall, Spring. M&S fee: $15.00

RTV 3283C COS-R/TV 3(3,1) Production of Interactive Multimedia: PR: COS 3800C, major status in RTV, AdPR, Journalism, Organizational or Interpersonal Communication. Practice and production of electronic interactive multimedia for the broadcast industry. Odd Fall. M&S fee: $15.00

RTV 3301 COS-R/TV 3(3,0) Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and strategies and their accompanying ethical considerations for analog and digital delivery of broadcast journalism. Fall, Spring.

RTV 3304 COS-R/TV 3(3,0) Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring.

RTV 3501 COS-R/TV 1(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 3942L COS-R/TV 1,3(0,3-9) Practicum: PR: C.I., RTV Major, and either RTV 3210C, RTV 3228C, or RTV 3260C. Student will serve in some position of responsibility for UCF Weekly News or other RTV program. May be repeated for credit. Graded S/U. Occasional.

RTV 4206C COS-R/TV 4(4,3) Television Directing: PR: RTV 3228C and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Fall, Even Spring. M&S fee: $30.00

RTV 4211C COS-R/TV 3(3,3) Audio Production II: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Occasional. M&S fee: $15.00

RTV 4270C COS-R/TV 3(3,3) Audio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today’s radio listener. Fall.

RTV 4280C COS-R/TV 3(3,3) Presentation of broadcast material on the web. Integrates the distribution of radio, television, and web content. Occasional. M&S fee: $15.00

RTV 4281C COS-R/TV 3(3,3) Webcasting: PR: RTV Major and PR or CR: RTV 3263C. Production of broadcast material on the web. Integrates the distribution of radio, television, and web content. Occasional. M&S fee: $15.00

RTV 4320C COS-R/TV 3(1,3) Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Fall, Spring. M&S fee: $15.00

RTV 4322C COS-COMM 3(1,3) Advanced TV News: PR: RTV 3200 and RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF News program. Occasional.

RTV 4403 COS-R/TV 3(3,0) Electronic Media, Technology, and Society: PR: or CR: RTV 3000. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-R/TV 3(3,0) Sports Programming on Broadcast and Cable: PR: RTV 3000 or C.I. An examination of the factors that determine how sporting events are constructed for programming on broadcast stations and cable systems. Occasional.

RTV 4505 COS-R/TV 3(3,1) Program Issues for TV & Motion Pictures: PR: RTV 3000 or FIL 2400. An examination of program development theories, strategies and issues in the television and motion picture industries. Occasional.

RTV 4700 COS-R/TV 3(3,0) Regulation of Broadcasting: PR: RTV Majors only, RTV 3000. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-R/TV 3(3,0) Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in station operations at local, regional, and national levels. Odd Spring.

RUS 1120 CAH-LANG 4(4,1) Elementary Russian Language and Civilization I: Introduces the student to Russian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Occasional.


RUS 2200 CAH-LANG 3(3,1) Intermediate Russian Language and Civilization I: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Occasional.

RUS 2201 CAH-LANG 3(3,0) Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3,0) Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 3240 CAH-LANG 3(3,0) Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3600 CAH-LANG 3(3,0) Advanced Russian Oral Communication: PR: RUS 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. Occasional.

SCE 3310 ED-TLP 3(3,0) Teaching Science in Elementary School: PR: Junior standing or C.I. Selected concepts; organizing for instruction; evaluation procedures. Fall, Spring. M&S fee: $5.25

SCE 4023 ED-CFCS 3(3,0) Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. Fall.

SCE 4360 ED-TLP 4(3,2) Science Instructional Analysis: PR: EDG 4323 or C.I. Course objectives for a school curriculum and methods and materials for the middle grades and high school. Fall, Spring. M&S fee: $8.00
SCS 5325  ED-TLP  3(3,0)
Teaching Middle School Science: PR: EDG 6236 or C.I.
This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaching, technology use, ESOL, and inquiry in science. Occasional.

SCS 5632  ED-TLP  3(3,0)
Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

SCS 5716  ED-TLP  3(3,0)

SCS 5825  ED-TLP  3(3,0)
Space Science for Educators: PR: Senior standing or C.I. Introduction to space science, manned space flight, and space education curriculum. Occasional.

SLS 1501  ED-ES  3(2,1)
Strategies for Success in College: This course is designed to address the development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.

SLS 2261C  ED-ES  2(2,1)
Student Organization Leadership: Application of leadership and organization development paradigms, theories, and approaches for emerging and established student leaders. Occasional.

SLS 2311C  BCBS-M&M  2(2,1)
Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SOP 2772  COS-PSYCH  3(3,0)

SOP 3004  COS-PSYCH  3(3,0)

SOP 3723  COS-PSYCH  3(3,0)

SOP 3724  COS-PSYCH  3(3,0)
The Psychology of Racial Prejudice: PR: PSY 2012. Examination of literature relating to prejudice toward ethnic groups; effects of racism on individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. Even Spring.

SOP 3742  COS-PSYCH  3(3,0)
Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751  COS-PSYCH  3(3,0)
Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000; PPE 3003 or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Fall.

SOP 3784  COS-PSYCH  3(3,0)

SOP 5059  COS-PSYCH  3(3,0)
Advanced Social Psychology: PR: SOP 3004, graduate status or senior standing, or C.I. The major findings and theories in social psychology including an in-depth review of relevant research. Occasional.

SOW 2020  HPA-SOWK  3(3,0)
Introduction to Social Services: Introduction to social services, with emphasis on the role of the professional social worker and current career opportunities. Fall.

SOW 3104  HPA-SOWK  3(3,0)

SOW 3111  HPA-SOWK  3(3,0)

SOW 3203  HPA-SOWK  3(3,0)
Social Work & Community Resources: PR: Jr. Standing or C.I. open to non-majors. Generalist social work practice, including the structure of American social welfare, values and ethics of social work and community resources. Fall.

SOW 3300  HPA-SOWK  3(2,1)

SOW 3352  HPA-SOWK  3(1,2)
Practice II: PR: SOW 3300. Interpersonal Skills in Social Work: PR or CR: SOW 3300. Study and practice of interpersonal skills in social work, including group leadership, written communication, and oral presentations, in consensual as well as conflictual contexts of social work. Spring.

SOW 3401  HPA-SOWK  3(3,0)
Social Work Research: PR: STA 2014C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620  HPA-SOWK  3(2,1)
Social Work with Minorities: PR: SOW 3203, and SOW 3104; PR or CR: SOW 3300. Study of oppressed groups and relevant social work interventions; skill development in work with, and in behalf of, people of minority groups. Spring.

SOW 4232  HPA-SOWK  3(3,0)

SOW 4341  HPA-SOWK  3(1,2)
Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.

SOW 4343  HPA-SOWK  3(1,2)
Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 4431  HPA-SOWK  3(2,1)
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.

SOW 4510  HPA-SOWK  9(0,28)
Field Education: PR: Completion of required courses in major: GPA 2.5 in major. CR: SOW 4522. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4522  HPA-SOWK  3(2,1)
Field Education Seminar: PR: Completion of required courses in major: CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602  HPA-SOWK  3(3,0)
Social Work in Health Settings: PR: SOW 3300 and SOW 3104 or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.

SOW 4645  HPA-SOWK  3(3,0)
Social Services for the Elderly: PR: SOW 3300, SOW 3104, 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.

SOW 4650  HPA-SOWK  3(3,0)
Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW program or C.I. The social worker’s role and interventions with victims of child abuse and their family members. Spring.

SOW 4654  HPA-SOWK  3(3,0)

SOW 4673  HPA-SOWK  3(3,0)

SOW 4705  HPA-SOWK  3(3,0)

SOW 4706  HPA-SOWK  3(3,0)
Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.
SOW 4730 HPA-SOWK 3(3,0) Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 5105 HPA-SOWK 3(3,0) Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0) Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5109 HPA-SOWK 3(3,0) Violence Against Women: A Global Perspective: PR: Graduate status or C.I. An introduction to the types of violence that impact women from a global perspective. Community, political, and economic issues that support violence against women will be discussed by country, ethnic groups, within countries, and religious principles. Odd Spring.

SOW 5132 HPA-SOWK 3(3,0) Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5235 HPA-SOWK 3(3,0) Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and services. Fall.

SOW 5305 HPA-SOWK 3(3,0) Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0) Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5355 HPA-SOWK 3(3,0) Studies in Social Work Practice: PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. Occasional.

SOW 5387 HPA-SOWK 3(3,0) Nonprofit Resource Development: PR: Admission to certificate program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, fundraising, marketing, and government contract development and management. Occasional.

SOW 5404 HPA-SOWK 3(3,0) Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SOW 5432 HPA-SOWK 3(3,0) Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. Occasional.

SOW 5532 HPA-SOWK 2(2,0) Generalist Field Education I: PR: Admission to MSW Prog. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. Fall, Even Spring.

SOW 5533 HPA-SOWK 2(2,0) Generalist Field Education II: PR: MSW. Continuation of SOW 5532 Generalist Field Education I in the same field agency for 224 clock hours. Graded S/U. Odd Fall, Spring.

SOW 5534 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5532. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Fall.

SOW 5546 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar II: PR: Admission to MSW program. CR: Generalist Field Education II. Continuation of generalist field education integrative seminar I to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Spring.

SOW 5603 HPA-SOWK 3(3,0) Social Work in Health Settings: PR: Graduate standing or C.I. Study of social work roles, interventions, and issues related to helping clients in health settings. Spring.

SOW 5604 HPA-SOWK 3(3,0) Mediations in Social Work Practice: PR: graduate standing, post-bacc status, senior in SW program or C.I. The study of the effects that psychotropic medications can have within the counseling/helping relationship. Spring.

SOW 5624 HPA-SOWK 3(3,0) Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.

SOW 5625 HPA-SOWK 3(3,0) Social Work with Women: Alternative approaches to the treatment of women in the urban setting. Occasional.

SOW 5635 HPA-SOWK 3(3,0) Social Work Practice in Schools: PR: Social Work Graduate standing or C.I. Study of knowledge, skills and abilities necessary for competent practice with students, their teachers, families, schools and communities. Even Spring.

SOW 5642 HPA-SOWK 3(3,0) Aging in Social Situations: PR: Admission to MSW program or Gerontology Certificate Program or C.I. Knowledge about elderly in social situations or environmental context. Occasional.

SOW 5644 HPA-SOWK 3(3,0) Interventions with Elderly and Their Families: PR: Admission to Gerontology graduate certification program or MSW program or C.I. Study of concepts, skills, models and theories for intervening with aged. Special attention is given to minority populations. Even Spring.


SOW 5655 HPA-SOWK 3(3,0) Child Abuse: Treatment and Prevention: The social worker’s role and interventions with victims of child abuse and their family members. Spring.

SOW 5662 HPA-SOWK 3(3,0) Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.

SOW 5670 HPA-SOWK 3(3,0) Gay and Lesbian Experience in American Society: PR: seniors or graduate status. Sexual orientation in a cultural context: resources and policies affecting gay and lesbian people, and professional considerations in interventions with and for gay and lesbian clients. Occasional.

SOW 5712 HPA-SOWK 3(3,0) Interventions with Substance Abusers: Strategies for working with persons who abuse drugs, alcohol, and other substances. Odd Fall, Spring.

SOW 5713 HPA-SOWK 3(3,0) Prevention and Treatment of Adolescent Substance Abuse: PR: Graduate status or C.I. An indepth review of prevention, intervention and treatment of Adolescent Substance Abuse. Even Spring.


SOW 5846 HPA-SOWK 3(3,0) Spirituality in Professional Counseling: PR: graduate standing, post-bacc status, seniors, or C.I. Examination of spirituality as it relates to professional counseling. Odd Spring.

SPA 2631 HPA-COMD 3(3,0) Issues of 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.

SPA 3002 HPA-COMD 3(3,0) Introduction to Communicative Disorders: Etiology, symptoms, and methods of diagnosing and treating communicative disorders. For beginning and prospective majors in communicative disorders. Occasional.

SPA 3011 HPA-COMD 3(3,0) Speech Science I: Production: Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L HPA-COMD 1(0,1) Speech Production Lab: PR: SPA 3112. CR: SPA 3011. Physiological and acoustic measurement of speech production Graded S/U. Fall, Spring.

SPA 3010 HPA-COMD 3(3,0) Physiological Bases of Speech and Hearing: PR: SPA 3002. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPA 3010 HPA-COMD 3(3,0) Neuroal Bases of Communication: PR: SPA 3101. Structures and functions of the nervous system involved in communication and its disorders. Fall, Spring.
### SPA 5477 HPA-COMD 3(3,0)
Aging and Communication: PR: Senior status or CI. Study of the changes in communication with normal aging, focusing on assessment and management of older individuals with communication disorders. Occasional.

### SPA 5559 HPA-COMD 3(3,0)
Augmentative and Alternative Communication Systems: PR: Senior status or CI. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Fall, Spring.

### SPA 5561 HPA-COMD 3(3,0)
Counseling in Communicative Disorders: PR: Senior Status or C.I. Intererviewing and counseling for individuals with communication disorders and their families. Spring.

### SPA 5570 HPA-COMD 3(3,0)

### SPB 3003 BA-BUS 3(3,0)
Introduction to Sport Business Management: PR: Admission to a business major. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Occasional.

### SPB 3503 BA-BUS 3(3,0)

### SPB 3603 BA-BUS 3(3,0)

### SPB 4104 BA-BUS 3(3,0)
Intercollegiate Sport Industry: PR: SPB 3003. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision making. Occasional.

### SPB 4204 BA-BUS 3(3,0)
Professional Sport Industry: PR: SPB 3003. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.

### SPB 4304 BA-BUS 3(3,0)

### SPB 4404 BA-BUS 3(3,0)

### SPB 4704 BA-BUS 3(3,0)
Sport Business Strategy: PR: SPB 3003. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.

### SPB 4804 BA-BUS 3(3,0)
SPW 3101 CAH-LANG 3(3,0) Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3130 CAH-LANG 3(3,0) Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. Fall.

SPW 3131 CAH-LANG 3(3,0) Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

SPW 3320 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. Occasional.


SPW 3370 CAH-LANG 3(3,0) Spanish Short Story: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. Occasional.

SPW 4272 CAH-LANG 3(3,0) 20th Century Spanish Novel: PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4310 CAH-LANG 3(3,0) Golden Age Drama: PR: SPW 3100 or C.I. A study of the plays of the Golden Age, with special emphasis on Lope, Tirso, Alarcón, and Calderón. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

SPW 4322 CAH-LANG 3(3,0) Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4364 CAH-LANG 3(3,0) Latin-American Narrative/Essay: PR: SPW 3100 or SPW 3130 or SPW 3111 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. Course could be repeated for credit when topic changes. Occasional.

SPW 4381 CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3130 or SPW 3130 or SPW 3130 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. Course could be repeated for credit when topic changes. Occasional.

SPW 4382 CAH-LANG 3(3,0) Central American Literature: PR: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central American literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0) Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3131, or C. J. A study of textual criticism with emphasis in the theory of genre. Occasional.

SPW 4460 CAH-LANG 3(3,0) Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

SPW 4600 CAH-LANG 3(3,0) Cervantes: PR: SPW 3100 or C.I. Don Quixote. Occasional.

SPW 4720 CAH-LANG 3(3,0) The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation's main authors and their works. Occasional.

SPW 4730 CAH-LANG 3(3,0) Hispanic Literature of the United States: PR: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

SPW 4770 CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3,0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary works of authors who have included the black character as part of their narrative. Occasional.

SPW 4773 CAH-LANG 3(3,0) Puerto Rican Literature: PR: SPW 3100 and SPW 3101 or SPW 3130 and SPW 3111. 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 currents and disciplines in southern cone literature. Occasional.

SSE 5776 ED-TLP 3(3,0) Democracy and Education: PR: Graduate standing or C.I. Explores the intersection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.

SSE 5790 ED-TLP 3(3,0) Inquiry and Instructional Analysis in Social Science Education: PR: Admission to M.A. program or alternative certification certificate program. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

STA 1060C COS-STAT 3(2,1) Basic Statistics Using Microsoft Excel: Applications of Excel; manipulating data; single variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 3(2,1) Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. Fall, Spring.

STA 2023 COS-STAT 3(3,0) Statistical Methods I: PR: MAC 1105 or MGF 1106. First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0) Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-EMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2312 and computer programming. Axions of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-EMS 3(3,0) Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3,0) Statistical Graphics: PR: STA 2023 or STA 3032 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.

STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT 3(3,0) Life Contingencies I: PR: STA 4183 (or new number STA 4183). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.
STA 4131 COS-STAT 3(3,0)  

STA 4163 COS-STAT 3(3,0)  
Statistical Methods II: PR: STA 2023 or STA 3022. 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)  

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 4187 COS-STAT 3(3,0)  

STA 4222 COS-STAT 3(3,0)  

STA 4221 COS-STAT 3(3,0)  
Statistical Theory I: PR: STA 2023 or STA 3022; CR: MAC 2313. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.

STA 4222 COS-STAT 3(3,0)  

STA 4502 COS-STAT 3(3,0)  
Nonparametric Statistical Methods: PR: STA 2023 or STA 3022. 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 4641 COS-STAT 3(3,0)  

STA 4664 COS-STAT 3(3,0)  

STA 4672 COS-STAT 3(3,0)  

STA 4675 COS-STAT 3(3,0)  

STA 4676 COS-STAT 3(3,0)  

STA 4852 COS-STAT 3(3,0)  

STA 4939 COS-STAT 3(3,0)  
Problems in Actuarial Science I: 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 5185. Discussion and presentation by actuarial practitioners. Occasional.

STA 5085 COS-STAT 3(3,0)  

STA 5103 COS-STAT 3(3,0)  
Advanced Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language, or C.I. Distance learning. Advanced computer processing of statistical data. Data manipulation, graphical data presentation; data analysis; creating analytical reports. Fall.

STA 5139 COS-STAT 3(3,0)  

STA 5176 COS-STAT 3(3,0)  
Introduction to Biostatistics: PR: STA 4163 or STA 4173, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5185 COS-STAT 3(3,0)  
Advanced Theory of Interest: PR: MAC 2312 and STA 2023, graduate status or senior standing, or C.I. Measurement of interest, valuation of annuities, determination of yield rates on investments, fixed income securities, mortgages, etc. Fall.

STA 5205 COS-STAT 3(3,0)  
Experimental Design: PR: STA 4154, STA 5206 or SCI 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication, incomplete block designs; factorial and fractional designs; design resolution. Spring.

STA 5206 COS-STAT 3(3,0)  
Statistical Analysis: PR: STA 2023, not open to students who have completed STA 4154. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.

STA 5505 COS-STAT 3(3,0)  
Categorical Data Methods: PR: STA 4163 or STA 5206, and graduate status or senior status or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. Occasional.

STA 5646 COS-STAT 3(3,0)  

STA 5703 COS-STAT 3(3,0)  
Data Mining Methodology I: PR: STA 5103 and STA 5206, graduate status or senior status, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. Fall.

STA 5825 COS-STAT 3(3,0)  

STA 5940 COS-STAT 3(3,0)  
Statistical Advice for Researchers: PR: Graduate status or senior status or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, analysis, interpretation. May be repeated for credit. Graded S/U. Occasional.

SUR 2101C ECS-CEE 3(2,3)  
Surveying: PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. Spring.
SYA 3110 COS-SOC 3(3,0)
The Development of Social Thought: PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the nature of mankind as a "social being." The nature of society from the beginnings of the scientific study of human life to World War II. Fall, Spring.

SYA 3120 COS-SOC 3(3,0)
Modern Sociological Thought: PR: Junior standing and 9 hours of upper level sociology courses or C.I. A study of major European and American contributors to modern sociology since World War II. Occasional.

SYA 3400 COS-SOC 4(3,1)
Research Methods and Statistics: PR: SYG 2000 and one other sociology course. Fall.

SYA 4112 COS-SOC 3(3,0)

SYA 4300 COS-SOC 4(3,2)
Research Methods: PR: SYG 2000 or SYG 2010 and SYA 3400 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of research, and relationship between theory and social research. Fall.

SYA 4301C Qualitative Research Analysis in Sociology: PR: SYA 4300. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.

SYA 4450 COS-SOC 4(3,2)
Data Analysis: PR: SYA 4300 and SYA 3400. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.

SYA 4650C COS-SOC 3(2,2)

SYA 5625 COS-SOC 3(3,0)
ProSeminar: PR: Graduate status or senior standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.

SYA 5652 COS-SOC 3(3,0)
Advanced Population: PR: Graduate status or senior standing or C.I. Examines the theories, methods, and information utilized by demographers and focuses on techniques of application of those skills. Occasional.

SYD 3410 COS-SOC 3(3,0)

SYD 3700 COS-SOC 3(3,0)
Race and Ethnic Minorities in the United States: Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.

SYD 3750 COS-SOC 3(3,0)

SYD 3751 COS-SOC 3(3,0)

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 Roles in Modern Society: PR: 2000 level social science course or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.

SYD 4020 COS-SOC 3(3,0)
Population: PR: 2000 level social science course or C.I. Theoretical and empirical approaches to study of population. Fall, Spring.

SYD 4510 COS-SOC 3(3,0)
Environmental Sociology: 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)

SYD 4810 COS-SOC 3(3,0)
Women in Contemporary Society: PR: SYG 2000 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 4813 COS-SOC 3(3,0)

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.

SYG 2000 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 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: 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 3949 COS-SOC 0(0,8)

SYO 3000 COS-SOC 3(3,0)
Modern Sociology: PR: SYG 2000 or SYG 2010 or C.I. Examination 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)

SYO 3410 COS-SOC 3(3,0)
Sociology of Mental Illness: PR: SYG 2000 or SYG 2010 or C.I. Theoretical and empirical approaches to study 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 Stratification: PR: SYG 2000 or C.I. Examination of contemporary sociology. Conceptual analysis and methodological techniques, presentation and utilization of sociological literature on major social institutions. 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)
Sociology of Religion: 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)
Sociology of Education: 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: 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.

SYO 4400 COS-SOC 3(3,0)
Medical Sociology: Examination of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.
## UCF Courses and Descriptions

**THE 3082 CAH-THEA 3(3,0)**
**Theatre Careers:** PR: B.A. Theatre major, Sophomore standing, C (2.0) or better required in THE 2020 or THE 2000. Techniques to secure employment in theatre and related fields. Occasional.

**THE 3110 CAH-THEA 3(3,0)**
**Theatre History I:** PR: (THE 2020 or THE 2000) and THE 2304 and Theatre major or departmental consent. Development of theatre arts from prehistory through the 17th century. Occasional.

**THE 3111 CAH-THEA 3(3,0)**
**Theatre History II:** PR: THE 3110, THE 3305. Theatre major or departmental consent. Theatre arts from the seventeenth century to the present. Occasional.

**THE 3212 CAH-THEA 3(3,0)**
**Global Theatre:** PR: Grade of C (2.0) or better required in THE 2020 or THE 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.

**THE 3230 CAH-THEA 3(3,0)**
**Commonality within Cultural Diversity Experienced through Theatre:** PR: Grade of C (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. Occasional.

**THE 3240 CAH-THEA 3(3,0)**
**Musical Theatre Survey:** PR: Grade of C (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. Occasional.

**THE 3282 CAH-THEA 3(3,0)**
**Period Props and Furniture:** PR: THE 2020 or THE 2000, and Theatre major or departmental consent. Viewing and discussion of major styles of architecture, ornament, fabric, and furniture that individualize the specific time and location from Egypt to Deco. Occasional.

**THE 3305 CAH-THEA 3(3,0)**
**Dramatic Literature I:** PR: (THE 2020 or THE 2000) and THE 2304 and Theatre major or departmental consent. Playscripts from Sophocles to Jonson. Occasional.

**THE 3306 CAH-THEA 3(3,0)**

**THE 3311 CAH-THEA 3(3,0)**
**Theatre History and Dramatic Literature I:** PR: C (2.0) in THE 2304 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Occasional.

**THE 3312 CAH-THEA 3(3,0)**
**Theatre History and Dramatic Literature II:** PR: C (2.0) in THE 2304 and Sophomore standing. Theatre history and drama from French neo-classicism to modern realism. Occasional.

**THE 3313 CAH-THEA 3(3,0)**
**Theatre History and Dramatic Literature III:** PR: C (2.0) in THE 2304 and Sophomore standing. Theatre history and drama from modern realism to present. Occasional.

**THE 4093L CAH-THEA 1(0,VAR)**
**Theatre Participation-Management II:** PR: THE 2000L and Theatre major. Participation in UCF Theatre productions. May be repeated for credit 8 times. Fall, Spring.

**THE 4244 CAH-THEA 3(3,0)**
**Musical Theatre History I:** PR: B.F.A. Musical Theatre major, C (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. Fall.

**THE 4245 CAH-THEA 3(3,0)**
**Musical Theatre History II:** PR: BFA Musical Theatre major, C (2.0) or better required in THE 4244. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.

**THE 5205 CAH-THEA 3(3,0)**
**American Theatre:** PR: THE 5910, and MA or MFA Theatre Graduate. Examination of performance and historical perspectives of American drama. Spring.

**THE 5246C CAH-THEA 3(2,2)**
**Musical Theatre:** PR: graduate acting 1, graduate status, or C.I. Historical study of the origins and development of musical theatre up to and including the work of Andrew Lloyd Webber. Spring.

**THE 5248 CAH-THEA 3(3,0)**
**Musical Theatre in History:** PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operetta to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. Fall.

**THE 5307 CAH-THEA 3(3,0)**
**Contemporary Theatre Practice:** PR: THE 3110, THE 3111, THE 3306, Restricted to Theatre majors or departmental consent. Contemporary trends in plays and theatre production in the late 20th century. Spring.

**THE 5385 CAH-THEA 3(3,0)**
**Dramatic Literature for Children:** PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

**THE 5910 CAH-THEA 3(3,0)**
**Research Methods in Theatre:** PR: MFA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, footnotes, and bibliographic forms. Fall.

**THE 5945L CAH-THEA 1(0,20)**
**Theater Practicum I:** PR: Graduate status or C.I. A laboratory course designed to develop students’ practical working knowledge in Theater. Occasional.

**THE 5946L CAH-THEA 1(0,20)**
**Theater Practicum II:** PR: Admission into the graduate program, Theater Practicum I. A laboratory course designed to develop students’ practical working knowledge in theater. Occasional.

**TPA 2071C CAH-THEA 3(2,2)**
**Theatre Rendering:** PR: BFA Design/Tech or Stage Management major, C (2.0) or better required in THE 2020 or THE 2000. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.

**TPA 2201 CAH-THEA 2(2,0)**
**Technical Theatre Production:** PR: B.A. Theatre or B.F.A. Musical Theatre/Acting major, C (2.0) or better required in PR: or CR: THE 2020 or THE 2000, and PR: or CR: TPA 2201L. Development, theory and practice of all areas of technical theatre production. Fall, Spring.

**TPA 2210 CAH-THEA 3(3,0)**
**Stagecraft I:** PR: BFA Design/Tech or Stage Management major, C (2.0) or better required in CR: TPA 2210L. Development, theory, and practice of technical theatre production. Fall.

**TPA 2210L CAH-THEA 1(0,6)**
**Stagecraft I Lab:** CR: TPA 2210. Practical projects in scenic and property construction. Occasional.

**TPA 2220 CAH-THEA 3(2,2)**
**Stage Lighting:** PR: THE 2020 or THE 2000 and BFA Design/Tech or Stage Management majors. Study of basic electricity, optics, lighting equipment and control, and stage lighting techniques and practices. Service on a lighting crew as required. Required of all technical theatre/design majors. Fall.

**TPA 2248C CAH-THEA 2(2,2)**
**Makeup Techniques:** PR: Theatre B.F.A. major or departmental consent, C (2.0) or better required in THE 2020 or THE 2000. Theory and practice of stage makeup. Fall, Spring.

**TPA 2290L CAH-THEA 1(0,VAR)**
**Theatre Participation-Production I:** PR: Grade of C (2.0) or better required in TPA 2201L and TPA 2201L, or TPA 2210 or departmental consent. Participation in UCF Theatre productions. May be repeated for credit 8 times. Fall, Spring.

**TPA 2600 CAH-THEA 3(3,0)**
**Stage Management Basics:** PR: C (2.0) in THE 2020 or THE 2000, and BFA Stage Management major. Functions and responsibilities of professional stage managers. Occasional.

**TPA 3040 CAH-THEA 3(2,2)**
**Costume Design for Theatre II:** PR: Grade of C (2.0) or better required in TPA 2040. Projects in the fundamentals of costume design for the stage. Fall.

**TPA 3043C CAH-THEA 3(3,1)**
**Costume History I:** PR: Theatre major or departmental consent, C (2.0) or better required in PR: or CR: THE 3110. Costume fashion from ancient Egypt to the mid 17th century, including basic period silhouette, costume parts and accessories. Fall.

**TPA 3044C CAH-THEA 3(3,1)**
**Costume History II:** PR: Restricted to Theatre majors or departmental consent, C (2.0) or better required in TPA 3043C. Costume fashion from the mid 17th century to the present, including basic period silhouette, costume parts and accessories. Spring.
TPA 3060C CAH-THEA 3(2,2)
Scenic Design for Theatre I: PR: Grade of C (2.0) or better required in TPA 2010. Projects in the fundamentals of scenic design for the stage. Fall.

TPA 3061 CAH-THEA 3(2,2)
Scene Design II: PR: Restricted to B.F.A. technical Theatre/design majors or Departmental consent. C (2.0) or better required in TPA 3060C. Continuation of TPA 3060C. An intensive, practical scenic design course dealing with various theatrical styles, genres, multiple and simultaneous settings. Includes script analysis and project design work with an emphasis on visualisation of design concepts through models and scenic renderings. Required of all B.F.A. technical theatre/design majors. Spring.

TPA 3077 CAH-THEA 3(2,2)
Scene Painting: PR: Grade of C (2.0) or better required in TPA 2000C and TPA 2071C. Projects in scene painting techniques. Fall.

TPA 3195 CAH-THEA 3(3,0)
Theatre Studio/Design: PR: Junior standing. Theatre majors or C.I. Study, analysis and execution of technical/design aspects for playscripts produced on UCF mainstage. May be repeated for credit. Occasional.

TPA 3197 CAH-THEA 3(3,0)
Summer Theatre Studio/Design: PR: Departmental consent. Production assignments and responsibilities during the rehearsals/performances of play scripts produced on the UCF mainstage. May be repeated for credit. Occasional.

TPA 3221 CAH-THEA 3(2,2)
Lighting Design for Theatre I: PR: Grade of C (2.0) or better required in TPA 2010. Projects in the fundamentals of lighting design for the stage. Spring.

TPA 3230 CAH-THEA 3(2,2)
Costume Construction: PR: BFA Design/Tech or Stage Management major or Department Consent. C (2.0) or better required in TPA 2210 or TPA 2290L. Lecture/laboratory study of the basic techniques used in the drafting, cutting, fitting, and construction of stage costumes. Required of all technical theatre/design majors. Spring.

TPA 3249 CAH-THEA 2(2,2)
Advanced Makeup Techniques: PR: Restricted to B.F.A. Theatre majors or departmental consent. C (2.0) or better required in TPA 2248C. Lecture/laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. Occasional.

TPA 3250 CAH-THEA 2(2,2)
CADD for Theatre: PR: Restricted to B.F.A. Theatre majors or departmental consent. C (2.0) or better required in TPA 2211. Fundamental computer aided drafting and design and its application for Theatre. Fall.

TPA 3251 CAH-THEA 2(2,2)
Advanced CADD for Theatre: PR: Restricted to B.F.A. Theatre majors or departmental consent. C (2.0) or better required in TPA 3250. Advanced computer aided drafting and design and its application for Theatre. Spring.

TPA 3260 CAH-THEA 3(3,0)
Sound Design For The Theatre: PR: THE 2020 or THE 2000, TPA 2211. Restricted to Theatre majors or departmental consent. Exploration of the aesthetic and technological aspects of sound as they relate to the art and craft of theatre majors. Spring.
UCF Courses and Descriptions

TPP 2260 CAH-FILM 3(3,0)
Acting for Film: PR: Film Majors. An introduction to acting for the camera. Occasional.

TPP 2700C CAH-THEA 3(2,2)
Stage Speech/Voice: PR: BA Theatre major and C (2.0) or better in THE 200. Practical stage voice as it applies to performance. Not allowed for BFA Theatre majors. Occasional.

TPP 2710C CAH-THEA 2(2,1)

TPP 3103 CAH-THEA 3(3,0)
Intermediate Acting: PR: B.A. Theatre major and C (2.0) or better required in TPP 2110. Practice and execution of scene work, monologue work, and exercises. Occasional.

TPP 3172C CAH-THEA 3(2,2)
Acting III - Building the Character: PR: Grade of C (2.0) or better required in TPP 2170C. Reinforcement of acting techniques begun in Acting II, with emphasis on characterization and character development. Spring.

TPP 3197 CAH-THEA 3(0,30)
Summer Theatre/Performance: PR: Open to non-Theatre majors with departmental consent. Production assignments and responsibilities during the rehearsals/performances of play departments produced on the UCF mainstage may be repeated for credit. Occasional.

TPP 3223 CAH-THEA 3(3,0)

TPP 3250 CAH-THEA 3(3,0)
Musical Theatre Acting/Performance: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2110C. Practical acting techniques with solo musical theatre repertoire. Fall.

TPP 3252 CAH-THEA 3(3,0)
Musical Theatre Acting Performance II: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 3250. Practical acting techniques as it applies to musical theatre scene study. Spring.

TPP 3257 CAH-THEA 2(2,2)

TPP 3258 CAH-THEA 2(2,2)
Musical Theatre Voice II: PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 3257. Artistry of singing including function of music and lyrics, and problems in song interpretation utilizing musical theatre repertoire. Fall.

TPP 3310C CAH-THEA 3(2,2)
Directing for Theatre: 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/characterization, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3510C CAH-THEA 2(2,1)
Movement for the Actor: PR: DAA 2200C, DAA 2201C, TPP 2110C, TPP 2170C, BFA Performance Major. Active physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. Fall.

TPP 3512C CAH-THEA 2(2,1)
Stage Combat: PR: Grade of C (2.0) or better required in TPP 4511C. Stage combat with emphasis on hand-to-hand combat. Spring.

TPP 3513C CAH-THEA 2(2,1)
Movement for the Actor II: PR: C (2.0) or better required in TPP 3510C. Reinforcement of techniques and practices found in Movement for the Actor I. Occasional.

TPP 3711C CAH-THEA 2(2,1)
Voice Production I: PR: Grade of C (2.0) or better required in TPP 2710C. Reinforcement of the awareness introduced in Voice I, focusing on a physical approach to acting tests. Spring.

TPP 3712C CAH-THEA 2(2,1)
Voice Production II: PR: Grade of C (2.0) or better required in TPP 3711C. Continuation of Voice Production I; emphasis on study of Shakespeare and heightened language. Fall.

TPP 3730C CAH-THEA 2(2,1)
Voice Production IV: PR: Grade of C (2.0) or better required in TPP 3712C. Analysis of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. Fall.

TPP 3952 CAH-THEA 3(0,30)
Studio Performance: PR: Junior standing or C.I. Not restricted to Theatre majors but requires department consent. Studio performance provides the specific application of the theatre artist's training to full-scale theatre productions. May be repeated for credit. Occasional.

TPP 4140C CAH-THEA 3(2,2)
Acting IV - Creating the Role: PR: Grade of C (2.0) or better required in TPP 3712C. Continued exploration and application of acting technique through scene study. Fall.

TPP 4142C CAH-THEA 3(2,2)
Acting V - Verse: PR: Grade of C (2.0) or better required in TPP 4140C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Spring.

TPP 4143C CAH-THEA 3(2,2)
Acting Styles: PR: Grade of C (2.0) or better required in TPP 3103 and TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.

TPP 4193 CAH-THEA 1(0,20)
Theatre Production/Performance IV: PR: Not restricted to Theatre majors but requires Departmental consent. Participation in UCF Theatre productions. Required of all B.F.A. theatre performance majors. Fall, Spring. M&S fee: $15.00

TPP 4221 CAH-THEA 3(3,0)
Auditioning: PR: Junior Standing, and C (2.0) or better required in TPP 3103 and TPP 4140C. Selecting monologues, auditioning techniques and cold readings. Occasional.

TPP 4243C CAH-THEA 2(2,2)
Circus Arts: PR: Theatre major; C (2.0) in TPP 2101, and THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(3,0)

TPP 4259 CAH-THEA 2(2,2)

TPP 4265C CAH-THEA 3(3,2)
Acting VI - Acting for TV/Film: PR: B.F.A. Theatre Performance major or B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 3252 or TPP 4142C. Application of previous acting training to the TV/Film medium. Fall.

TPP 4268 CAH-THEA 3(3,2)
Acting VII Advanced Acting For TV/Film: PR: Grade of C (2.0) or better required in TPP 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)

TPP 4271C CAH-THEA 2(2,2)
Music Theatre Voice VI: PR: TPP 4270C and Theatre major or departmental consent. Continuation of advanced diagnosis and development of the singing voice and its application to music theatre performance. Fall.

TPP 4311 CAH-THEA 3(2,2)

TPP 45310 CAH-THEA 2(2,1)
Period Movement: PR: Grade of C (2.0) or better required in TPP 3172C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4923 CAH-THEA 2(2,2)

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 dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 3(2,2)
Acting Studio I: PR: Admission to MA Performance Program. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA 3(2,2)
Acting Studio II: PR: TPP 5156C or C.I. An advanced scene study course applying acting methodologies to the works of modern (1850-) European playwrights with emphasis on the works of Ibsen/Chékhov/Shaw. Spring.
TPP 5273 CAH-THEA 3(3,0)
Musical Theatre Acting I: PR: Admission to MFA Musical Theatre Majors. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. Occasional.

TPP 5289C CAH-THEA 2(2,2)
Acting for Young Audiences: PR: Admission to MFA graduate program or C.I. A guided investigation of the principles and techniques of acting for young audiences. Even Fall.

TPP 5386 CAH-THEA 3(3,0)
Directing for Young Audiences: PR: THE 5910 and Dramatic Literature for Children. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515 CAH-THEA 2(2,0)
Movement Studio I: PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on relaxation, centering, increased physical control, and physical development of a character. Fall.

TPP 5516C CAH-THEA 2(2,1)
Movement Studio II: PR: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unarmed combat. Spring.

TPP 554C 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 555C CAH-THEA 2(2,4)
Musical Theatre Dance II: PR: TPP 554C. 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. Continued study of the VanWagenen Voice Production course, studying Skinner’s narrow transcription with consonants; review of all Lekihter work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754 CAH-THEA 2(2,0)
Musical Theatre Voice I: PR: Admission to MFA Musical Theatre Program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2,2)
Contemporary Practices in Young Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be repeated for credit 4 times. Odd Spring.

TSL 4080 ED-TLP 3(3,0)
Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL). ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. Fall, Spring.

TSL 4141 CAH-LANG 3(3,0)

TSL 5143 CAH-LANG 3(3,0)
ESOL Strategies: PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESOL to meet the needs of Limited English Proficient students. Occasional.

TSL 5245 CAH-LANG 3(3,0)
Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 5345 ED-TLP 3(3,0)
Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5373 ED-TLP 3(3,0)
Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 Limited English Proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5376 CAH-LANG 3(3,0)
Reading and writing in a second language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5525 ED-TLP 3(3,0)
ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their specific needs. Occasional.

TSL 5940 CAH-LANG 3(3,0)
Issues in TTEL: PR: Graduate status or senior standing or C.I. Address issues specifically related to TTEL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 4004 ECS-CEE 4(4,0)

TTE 4601C ECS-CEE 3(2,2)
Urban Systems Design: PR: TTE 4004. Project course on design of transportation and urban systems using engineering design methodologies. Spring. M&S fee: $15.00

TTE 5204 ECS-CEE 3(3,0)
Traffic Engineering: PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5700 ECS-CEE 3(3,0)
### UCF Courses and Descriptions

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<tr>
<th>Course Code</th>
<th>Department</th>
<th>Prerequisites</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>WST 5347</td>
<td>CAH-WOM</td>
<td>3(3,0)</td>
<td>Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research seminar exploring relationships among feminist theorizing, research, and social change; the development of gender studies programs and their relationships to other academic disciplines. Occasional.</td>
</tr>
<tr>
<td>WST 5601</td>
<td>CAH-WOM</td>
<td>3(3,0)</td>
<td>Theories in Gender Studies: PR: Graduate status or senior standing, or C.I. Introduction to foundational scholarship in gender studies. Emphasis on theoretical and interdisciplinary approaches to gender and sexuality in contemporary scholarship. Even Fall.</td>
</tr>
<tr>
<td>ZOO 3701C</td>
<td>BCBS-M&amp;M</td>
<td>3(1,4)</td>
<td>Human Gross Anatomy &amp; Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials (specimens). The primary student population should be junior/senior pre health professional applicants preparing for the basic medical sciences of professional schools. Spring.</td>
</tr>
<tr>
<td>ZOO 3713C</td>
<td>COS-BIOL</td>
<td>5(3,6)</td>
<td>Comparative Vertebrate Anatomy: PR: BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&amp;S fee: $95.00</td>
</tr>
<tr>
<td>ZOO 3733H</td>
<td>BCBS-M&amp;M</td>
<td>4(3,3)</td>
<td>Honors Human Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Consent. Spring.</td>
</tr>
<tr>
<td>ZOO 3736C</td>
<td>BCBS-M&amp;M</td>
<td>4(3,2)</td>
<td>Exercise Physiology: PR: BSC 2010C, CI. Gross anatomy for exercise physiology majors. Fall. Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>BCBS-M&amp;M</td>
<td>3(3,0)</td>
<td>Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall. Spring.</td>
</tr>
<tr>
<td>ZOO 4513</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Animal Behavior: PR: PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.</td>
</tr>
<tr>
<td>ZOO 4704C</td>
<td>BCBS-M&amp;M</td>
<td>4(3,1)</td>
<td>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.</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>BCBS-M&amp;M</td>
<td>4(3,3)</td>
<td>Vertebrate Histology: PR: ZOO 3733C. Micronanostructural detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>ZOO 5456C</td>
<td>COS-BIOL</td>
<td>4(2,6)</td>
<td>Ichthyology: PR: ZOO 4310C, and graduate status or senior standing or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Occasional. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>ZOO 5463C</td>
<td>COS-BIOL</td>
<td>4(2,6)</td>
<td>Herpetology: PR: 6 hours of zoology, and graduate status or senior standing, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>ZOO 5475C</td>
<td>COS-BIOL</td>
<td>4(2,6)</td>
<td>Ornithology: PR: 6 hours of zoology, and graduate status or senior standing, or C.I. Introduction to the biology of birds, their classification, evolution, and life histories. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>ZOO 5486C</td>
<td>COS-BIOL</td>
<td>4(2,6)</td>
<td>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&amp;S fee: $15.00</td>
</tr>
<tr>
<td>ZOO 5517</td>
<td>COS-BIOL</td>
<td>1(1,0)</td>
<td>Methods for Studying Animal Behavior in Zoo Setting: PR: an animal behavior course, graduate status or senior standing, or C.I. Research techniques used to study animals in captivity. Occasional.</td>
</tr>
<tr>
<td>ZOO 5520</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Behavioral Ecology: PR: graduate status or senior standing, and C.I. Introduction to the field of Behavioral Ecology, which studies evolution of animal behavior in the wild. Occasional.</td>
</tr>
<tr>
<td>ZOO 5815</td>
<td>COS-BIOL</td>
<td>4(4,0)</td>
<td>Zoogeography: PR: 8 hours of zoology, and graduate status or senior standing or C.I. Principles and concepts concerning regional patterns of animal distributions of the world, both past and present. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>ZOO 5881C</td>
<td>COS-BIOL</td>
<td>4(3,4)</td>
<td>Fisheries Management: PR: ZOO 4312C, graduate status or senior standing, or C.I. Fisheries management of freshwater environments to include identification, sampling methods, farming and hatchery operations, propagation and population estimates. Occasional. M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>ZOO 5891</td>
<td>COS-BIOL</td>
<td>1(1,0)</td>
<td>Applied Conservation Biology: PR: Graduate status or senior standing or C.I. Examination of issues surrounding care, maintenance and tracking animals in small populations. Occasional.</td>
</tr>
<tr>
<td>ZOO 5893L</td>
<td>COS-BIOL</td>
<td>1(0,3)</td>
<td>Reproductive Management in Zoological Environments: PR: PCB 4732, graduate status or senior standing, or C.I. Laboratory techniques used to improve reproductive success of animals in a zoological environment. Occasional.</td>
</tr>
</tbody>
</table>
The date indicates the first year of employment at the University of Central Florida.


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BLEDSoe, ROBERT L., Professor Emeritus of Political Science
(1968), B.A., M.A., Ph.D. (University of California-Irvine)

DENNING, RICHARD G., Professor Emeritus of Engineering Technology
(1976), B.M.E., M.S., Ed.D. (University of Georgia), P.E. (Florida, Georgia)

DUTTON, ARTHUR M., Professor Emeritus of Statistics
(1968), B.S., Ph.D. (Iowa State University)

EHRArT, LLEWELLYN M., Professor Emeritus of Biology
(1969), B.A., Ph.D. (Cornell University)

ELLIS, LESLIE L., Professor Emeritus of Biology
(1968), B.S., M.S., Ph.D. (University of Oklahoma)

ERICKSON, ERNEST E., Professor Emeritus of Engineering
(1969), B.S.E., M.S.E., Ph.D. (University of Florida), P.E. (Florida)

ESLER, WILLIAM K., Professor Emeritus of Education
(1968), B.A.Ed., M.A.Ed., Ph.D. (Kent State University)

FLICK, ROBERT G., Professor Emeritus of Humanities
(1968), B.S., M.A., Ph.D. (University of Florida)

GRIFFITH, HAROLD L., Professor Emeritus of Engineering Technology
(1972), B.S., M.S. (Pennsylvania State University), P.E. (Florida)

HALL, HARRY O., Professor Emeritus of Education

HEDRICK, DONA LEA, Professor Emeritus of Communicative Disorders
(1981), B.A., M.A., Ph.D. (University of Washington)

HUBLER, J. W., Professor Emeritus of Engineering Technology
(1967), B.S.C.E., C.E., M.S.E., M.S.C.E (Yale University), D.Eng. S. (Hon.) (University of Central Florida), P.E. (Florida and 18 other states)

JENKINS, DAVID R., Professor Emeritus of Engineering

JONES, HALSEY R., Jr., Professor of Management
(1982), B.A., M.S., Ph.D. (Pennsylvania State University)

JUGE, FRANK E., Professor Emeritus of Chemistry
(1968), B.S., Ph.D. (University of Arkansas)

KERSTEN, ROBERT D., Dean Emeritus and Professor Emeritus of Engineering
(1968), B.S., M.S., Ph.D. (Northwestern University), P.E. (Florida, Arizona, and Oklahoma)

KOENIG, JAMES L., Professor Emeritus of Biology
(1971), B.A., M.A., Ph.D. (University of Florida)

LILIE, STUART A., Associate Professor of Political Science
(1972), B.A., Ph.D. (Johns Hopkins University)

MATTSON, GUY C., Professor Emeritus of Chemistry
(1969), B.S., Ph.D. (University of Florida)

McGEE, WILLIAM W., Professor Emeritus of Forensic Science
(1968), B.S., M.S., Ph.D. (University of Florida)

MCELLON, WALDRON M., Professor Emeritus of Engineering
(1969), B.S., B.C.E., M.C.E., M.S. (Physics), M.S., (Env. Eng.), Ph.D. (Rensselaer Polytechnic Institute)

MICARELLI, CHARLES W.,
Dean and Professor Emeritus of Foreign Languages and Literatures  
(1967), B.A., M.A., Ph.D. (Boston University)  
MILLER, CALVIN C., Dean and Professor Emeritus of Education  
(1967), B.A., M.Ed., Ed.D. (Florida State University)  
MILLER, ERNEST E., Professor Emeritus of Education  
(1968), B.S., M.S., Ed.D. (University of North Dakota)  
MILLICAN, CHARLES N., President Emeritus and Professor of Finance  
(1965), B.S., M.A., Ph.D. (University of Florida)  
OMANS, STUART E., Professor of English  
(1968), B.A., M.A., Ph.D. (Northwestern University)  
OSTLE, BERNARD, Professor Emeritus of Statistics  
(1967), B.A., M.A., Ph.D. (Iowa State University)  
PAUL, GORDON W., Professor Emeritus of Marketing  
(1977), B.S., M.B.A., Ph.D. (Michigan State University)  
REIFF, WALLACE W., Professor Emeritus of Finance  
ROLLINS, JACK B., Professor Emeritus of Psychology  
(1969), B.S., M.S., Ph.D. (University of Georgia)  
SALTER, JOHN H. III, Chairholder, Emeritus & Young Professorship and Professor Emeritus of Accounting  
(1975), B.S., M.S., Ph.D. (Louisiana State University)  
SCHIFFHORST, GERALD J., Professor of English  
(1970), B.S., M.A., Ph.D. (Washington University)  
SCHRAEDER, GEORGE F., Professor Emeritus of Engineering  
(1969), B.S., M.S., Ph.D. (University of Illinois), P.E. (Florida, Illinois)  
SHERWOOD, HOWARD, Professor Emeritus of Mathematics  
(1969), B.S., M.S., Ph.D. (University of Arizona)  
SHOFNER, JERRELL H., Professor Emeritus of History  
(1972), B.S., M.S., Ph.D. (Florida State University)  
SILVFAST, WILLIAM, Professor Emeritus of Physics  
(1990), B.S., Ph.D. (University of Utah)  
SMITH, HARRY W., JR, Professor Emeritus of Theatre  
(1969), B.A., M.A., Ph.D. (Tulane University)  
SOMERVILLE, PAUL N., Professor Emeritus of Statistics  
(1972), B.Sc., Ph.D. (University of North Carolina)  
TAYLOR, MICHAEL D., Professor of Mathematics  
(1968), B.A., M.S., Ph.D. (Florida State University)  
TAYLOR, WALTER K., Professor Emeritus of Biology  
(1969), B.S., M.S., Ph.D. (Arizona State University)  
TESORI, ANTHONY P., Professor Emeritus of Education  
WALKER, LYNN W., Director Emeritus of Libraries  
(1967), B.A., M.A. (Florida State University)  
WRIGHT, BURTON, Professor Emeritus of Sociology  
(1970), B.S., M.S., Ph.D. (Florida State University)  
YAROSH, MARVIN M., Associate Director Emeritus of the Florida Solar Energy Center  
(1975), B.S., M.S. (University of Minnesota)  
YOUSEF, YOUSEF A., Professor Emeritus of Engineering  
(1970), B.S.C.E., M.S., Ph.D. (University of Texas), P.E. (Florida, Texas)  

**COURTESY APPOINTMENTS**

ADAMS, CHRISTOPHER, Professor Emeritus of Economics  
(2000), Ph.D (University of Hawaii at Manoa)  
BASS, MICHAEL, Professor of Optics  
(1988), B.S., M.S., Ph.D. (University of Michigan)  
BAUSHER, MICHAEL G., Research Associate of Molecular Biology and Microbiology  
B.S., M.S., Ph.D. (University of Florida)  
BEACH, KEVIN, Assistant Professor of Optics  
(2001), B.S., Ph.D. (University of Hawaii at Manoa)  
BELFIELD, KEVIN D., Secondary Joint Professor of Optics and Photonics: CREOL & FPCE  
(2004), B.S., Ph.D. (Syracuse University)  
BETTINGER, TAMARA, Assistant Professor of Biology  
(2003), (Oklahoma State University)  
BILLSING, JOSEPH B., Clinical Faculty, Athletic Training  
D.O. (Philadelphia college of Osteopathic Medicine)  
BINDELL, JEFFREY B., Research Professor of Materials Science  
B.S., M.S., Ph.D. (Polytechnic Institute of Brooklyn)  
BONDAR, MYKHAILO, Assistant Professor of Chemistry  
B.S., M.S., Ph.D. (Institute of Physics, Kiev, Ukraine)  
BOREMANN, GLENN, Professor  
(1996), Ph.D. (University of Arizona)  
BRIAGH, ROBERT C., Professor, Electrical Engr & Computer Science  
BRUNELL, MARY LOU, Instructor, School of Nursing  
(1980), M.S.N. (University of Pennsylvania)  
CAPRAUN, LYNN W., Clinical Faculty, Cardiopulmonary Sciences  
RTT, B.S., M.S. (University of Central Florida)  
CARLSON, JOHN K., Research Assistant Professor of Biology  
(2003), (University of Mississippi)  
CHAI, BRUCE, Professor of Optics  
(1989), B.S., Ph.D. (Yale University)  
CHANDRA, SUBRAT, Professor, Industrial Engineering  
(1998), M.S., Ph.D. (West Virginia University)  
CHITTICK, ELIZABETH, Assistant Research Professor of Biology  
(2002), (Tufts University)  
CHOW, LOUIS C., Secondary Joint Professor of Optics & Photonics: CREOL & FPCE  
(2004), M.S., Ph.D. (University of California, Berkeley)  
COFFEY, KEVIN R., Associate Professor  
(2001), Ph.D. (Massachusetts Institute of Technology)  
COLE, ALEXANDER M., Assistant Professor, Biomolecular Science Ctr and Molecular Biology & Microbiology  
(2004), Ph.D. (Univ. of Medicine and Dentistry of NJ)  
COLUMBUS, GENE, Department of Theatre  
(2002), B.A., Ph.D. (Duke University)  
CRANIS, PETER, Associate Faculty, School of Communication  
(2002), (University of Central Florida)  
DAS, TARA P., Professor of Physics  
(1999), Ph.D. (Calculta University)  
de FRESEE, DUANE, Professor of Biology  
(2001), B.S., M.S., Ph.D. (Florida Institute of Technology)  
de LA ROSA, CARLOS L., Associate Professor of Biology  
(1988), B.S., Ph.D. (University of Pittsburgh)  
DEATON, JOHN, Assistant Professor of Psychology  
DEJWALA, PALLAVI B., Clinical Faculty, School of Nursing  
(2002), (University of Bombay)  
DELOACH, JR., BERNARD C., Professor, Electrical Engr & Computer Science  
B.S., M.S., Ph.D. (Ohio State University)  
DEMARA, RONALD F., Secondary Joint Associate Professor, School of Computer Science  
(2004), B.S., M.S., Ph.D. (University of North Carolina)  
DEMPSEY-WALLS, SUSAN, Courtesy Clinical Faculty, School of Nursing  
(2005), B.S.N., M.S.N. (University of California at Los Angeles)  
DEYRUP, MARK, Assistant Professor of Biology  
(1994), B.S., M.S., Ph.D. (University of Washington)  
DHERE, NEELAKANTH, Research Professor of Mechanical Engineering  
(1990), B.S., M.S., Ph.D. (Poona, India)  
DRAKE, JASON, Courtesy Research Assistant Professor of Biology  
(2004), B.S., M.S., Ph.D. (University of Maryland)  
DUCARME, ALFRED, Courtesy Assistant Professor of Optics and Photonics: CREOL & FPCE  
(2005), B.S., E.E., PhD, University of Central Florida  
DUPRAS, TOSHIA LEA, Secondary Joint Assistant Professor of Biology  
(2003), B.A., M.S., Ph.D. (McMaster University)  
DZIEGIELOWSKI, SOPHIA F., Joint Appointment, Health Services Administration  
(1997), Ph.D., L.C.S.W. (Florida State University)  
EAGLIN, RONALD, Joint Associate Professor, School of Film & Digital Media and Engr Technology  
(2003), B.S., M.S., Ph.D. (University of Central Florida)  
FALLUCU-SCHNEIDER, LINDA, Clinical Faculty, School of Nursing  
(2002), (Rush University)  
FLORY, DAVID, Assistant Professor  
(2003), (University of North Carolina)  
FOROOSH, HASSAN, Joint Assistant Professor, Electrical & Computer Engr and School of Computer Science  
(2004), Ph.D. (University of Nice)  
FRANKLIN, RAYMOND, Clinical Faculty, MLS, Department of Molecular Biology and Microbiology  
M.D., Ph.D. (University of Texas)  
FRISTROM, JAMES W., Courtesy Research Professor of Biology  
(2004), B.A., Ph.D. (Rockefeller University)  
FULLERTON, STUART, Biological Research Associate  
(1995), B.S. (University of Central Florida)  
FULTON III, ROLLAND, Courtesy Associate Professor of Biology  
(2004), B.A., Ph.D. (Duke University)  
GAGNON, MAXIME, Courtesy Research Associate in Public Affairs  
(2004), Ph.D. (Universite du Quebec a Trois-Rivieres)  
GARLAND, JAY, Associate Research Professor of Biology  
(2002), B.S., M.S., Ph.D. (University of Virginia)  
GIBSON, JANE STRAND-BURG, Associate Professor and Research Associate, Department of Molecular Biology & Microbiology  
B.S., M.S., Ph.D. (University of Florida)  
GILLIARD, LAWRENCE M., Medical Director of Cardiopulmonary Sciences and Clinical Faculty  
M.D. (University of Miami)  
GOLDSBERG, STEVEN, Courtesy Associate Professor of Psychology, Chief, Orlando Field Unit, US Army Research Institute  
(1994), B.A., Ph.D. (State University of New York at Buffalo)  
GRIFFIS, SUSAN E., Clinical Faculty, School of Nursing  
(2002), (Creighton University)  
GUARDA, LUIS A., Courtesy
UCHF Courtesy Appointments

Professor, Medical Laboratory Sciences
(2005), M.D. (University of Chile)

HAGAN, DAVID J., Associate Professor of Optics
(1987), B.S., Ph.D. (Heriot Watt University)

HEINONEN, OLLE, Associate Professor of Physics
(1989), B.S., Ph.D. (Case Western Reserve University)

HENDERSON, MOYA, Associate Professor of Physical Sciences
(1993), (University of Queensland)

HERBST, LAWRENCE, Assistant Professor of Biology
(2002), B.A., D.V.M. (University of Florida)

HERNÁNDEZ, FLORENCIO, Assistant Research Professor
(2002), B.A., M.S., D.V.M., University of Florida

HICKMAN, JAMES, Associate Professor of Electrical Engineering
(2004), B.S., M.A., Ph.D. (University of Arizona)

HICKEY, MICHAEL H., Courtesy Professor of Physics
(2003), Ph.D. (La Trobe University)

HIGBEE, RUSSELL, Courtesy Professor of Molecular Biology and Microbiology
(2004), B.S., M.S., Ph.D. (University of Florida)

HOBART, JAMES, Associate Professor, School of Communication
(2002), (University of Central Florida)

HOlsenbeck, daniel, Associate Professor, School of Communication
(1985), Ph.D. (Florida State University)

Hughes, charles, Joint Appointment, Professor, School of Film & Digital Media and School of Electrical Eng & Computer Sci
(2003), Ph.D. (Penn State University)

Irwin, richard b., Research Professor of Materials Science
B.S., M.S., Ph.D. (University of Pittsburgh)

jedica morris, Lori, Courtesy Research Associate Professor
(2004), Ph.D. (University of California, Los Angeles)

Kachurin, Anatoly, Courtesy Assistant Professor of Molecular Biology and Microbiology
(2004), B.S., M.S., Ph.D. (Johns Hopkins University)

Kaplan, Michael, Professor of Psychology
(2004), Ph.D. (Purdue University)

Kapoor, Vikram, Courtesy Professor of Electrical & Computer Engineering
(2004), Ph.D. (Kings College)

Karc, aravinda, Secondary Joint Associate Professor of Electrical and Computer Engineering
(2005), B.S., M.S., Ph.D., University of Illinois at Urbana-Champaign

Kennedy, robert s., Professor of Psychology
B.A., M.A., Ph.D. (University of Rochester)

Kim, gilsung, Courtesy Appointment: Department of Finance
(2003), (Yusou University, Korea)

Kincad, j. Peter, Professor of Psychology
B.A., M.A., Ph.D. (Ohio State University)

Kurjack, edward, Department of Sociology & Anthropology
(2001), Ph.D. (Ohio State University)

Lehman, Jeffrey, Professor in Communicative Disorders
(2003), (University of Wisconsin)

Leli, Joyce R., Assistant Professor of Political Science
(1985), B.A., M.A., Ph.D. (Johns Hopkins University)

Leydhecker, Scott E., Research Associate Professor of Molecular Biology and Microbiology
(2004), B.S., M.S., Ph.D. (University of Oklahoma)

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Lu, You Ming, Secondary Joint Associate Professor of Molecular Biology and Microbiology
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March, allan w., Courtesy Senior Research Associate in Public Affairs
(2003), Ph.D. (University of South Florida)

Marriner, lawrence, Professor, Public Administration and Policy
(2004), Ph.D. (Arizona State University)

May, Jonathan, Courtesy Associate in Music
(2002), (University of Washington)

Mchale, Michael, Courtesy Clinical Faculty, School of Nursing
(2002), Philadelphia College of Osteopathic Medicine

McNees, Patrick, Courtesy Faculty Associate, School of Nursing
(2003) and Courtesy Senior Research Associate in Public Affairs
(2005), B.S., M.A., Ph.D. (University of Kansas)

McPherson, Brenda, Faculty Associate, Educational Studies

Medin, a. louis, Professor of Engineering
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Mellen, jill, Assistant Research Professor of Biology
(1999), B.S., M.S., Ph.D. (University of California, Davis)

Menges, Eric, Professor of Biology
(1994), B.S., M.S., Ph.D. (University of Wisconsin)

Mercuri, Kevin, Adjunct Clinical Professor, Health Science

Morris, lori Jeduca, Courtesy Research Assistant Professor of Biology
(2004), B.S. M.S. (College of William and Mary)

Moskewicz, Michael, Professor, School of Electrical & Computer Engineering
(2002), (University of Wisconsin)

Nemeth, Margaret, Clinical Professor, School of Nursing
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Nichols, James, Assistant Professor of Biology
(2004), B.S., M.S., Ph.D. (Michigan State University)

Odeih, Daniel keith, Professor of Biology
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Ogden, Jacqueline J., Assistant Professor of Molecular Biology and Microbiology
(1999), B.A., M.S., Ph.D. (Georgia Institute of Technology)

Oliver, Kathleen M., Assistant Professor, Women's Studies and English
(2003), Ph.D. (University of Central Florida)

Onik, Gary M., Clinical Faculty, Physical Therapy
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Peale, Robert E., Secondary Joint Professor of Optics & Photonics: CREOL & FPCE
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Phillips, Ronald L., Primary Joint Professor of Optics & Photonics: CREOL & FPCE
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Picolu, Steven, Courtesy Professor of Sociology
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Polifko-Harris, Karin, Courtesy Faculty Associate, School of Nursing
(2002), Old Dominion

Prichard, Peter C., Professor of Biology
(1994), B.A., M.A., Ph.D. (University of Florida)

Prichard, Robert D., Professor, Management and Psychology
(2003), Ph.D. (University of Minnesota)

Ramalanlal, pradipkumar, Professor, Department of Psychology
(2004), B.S. (University of Michigan)

Reburn, Catharine jean, Courtesy Assistant Professor of Biology
(2002), B.S., M.S., (Queen's University)

Redfoot, william, Associate Professor in Biology
(2005), B.A., M.A., M.S. (University of Florida)

Reece, douglas a., Professor of Computer Science
B.S., M.A., Ph.D. (Carnegie Mellon University)

Richardson, Martin, Professor of Optics
(1990), B.S.C., A.R.C.S., Ph.D. (University of London)

Rosoff, susan m., Courtesy Assistant Professor of Mathematics
B.A., M.A. (Vermont College)

Sarafian, william, Clinical Faculty, Medical Medicine
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Schellhase, kristen, Adjunct Clinical Professor, Health Science

Schleichkorn, jacob s., Clinical Faculty, Physical Therapy
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Schulte, alfons, Secondary Joint Associate Professor of Optics & Photonics: CREOL & FPCE
(2004), Dr. rer. nat. (Technische Universitaet Munich)

Self, william, Professor, Biomedical Sciences & Molecular Biology & Microbiology
(2004), Ph.D. (University of Florida)

Sellars, Glenn, Courtesy Professor of Physical Sciences
(2000), Ph.D. (University of Central Florida)

Shugan, Steve, Professor, Marketing
(2003), (Northwestern University)

Shumaker, randall p., Secondary Joint Professor of Electrical & Computer Engineering
(2004), Ph.D. (University of Pennsylvania)

Siders, craig, Professor of Philosophy
(2000), Ph.D. (University of Texas at Austin)

Singer, michael james, Courtesy Professor of Psychology
B.A., M.S., Ph.D. (University of Maryland)

Slifo, theresa, Courtesy Professor of Microbiology
(2004), B.S., M.S., Ph.D. (University of South Florida)

Soltis, Joseph, Courtesy Assistant Professor of Biology
(2004), B.A., M.A., Ph.D. (University of California, Los Angeles)

Stamper, Michael, Assistant Professor of Biology
(2002), B.S., D.V.M. (Purdue University)

Stern, jonathan s., Assistant Professor of Biology
(2002), B.A., M.A., Ph.D. (Texas A&M)

Stevel, frederick a., Research Professor of Materials Science
A.B., M.S. (Vanderbilt University)

Stone, dianna l., Professor of Psychology and Management
(2000), Ph.D. (Purdue University)

Stone-Romero, Eugene P., Professor, Management and Psychology

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SWEENEY, PAUL D., Professor of Psychology

(1999), M.S., Ph.D. (Indiana University)

TETER, KENNETH, Joint Assistant Professor at the Biomedical Science Center

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THOMPSON, COREY M., Professor of Chemistry

(2001), B.S., M.S., Ph.D. (Auburn University)

TING, ROBERT Y., Professor of Chemistry and Research Professor of Mechanical Engineering

(1997), B.S., M.S., Ph.D. (University of California, La Jolla)

VALDES, EDUARDO V., Associate Research Professor of Biology

(2002), M.S., Ph.D. (University of Guelph)

VAN STRYLAND, ERIC W., Professor of Optics

(1987), B.S., Ph.D. (University of Arizona)

WAN, THOMAS, Secondary Joint Professor of Nursing and Secondary Joint Professor of Health Professions

(2003), Ph.D. (University of Georgia)

WARREN, WILLIAM, Courtesy Assistant Professor of Molecular Biology and Microbiology

(2004), B.S., Ph.D. (The Pennsylvania State University)

WATSON, STEPHEN M., Secondary Joint Assistant Professor of Electrical & Computer Engineering

(2004), Ph.D. (University of Nottingham)

WEEKS, ARTHUR, Secondary Joint Associate Professor of Optics & Photonics: CREOL & FFCPE

(2004), B.S., M.S.E.E., Ph.D. (University of Central Florida)

WHEELER, RAYMOND, Professor, Biology

(2003), (Utah State University)

WHISLER, MARLYN W., Associate Professor in Political Science

B.A., M.A., Ph.D. (University of Wisconsin)

WHITCOM, CARRIE, Professor of Forensic Science

B.S., M.S.F.S. (George Washington University)

WILLIS, JAYNE, Courtesy Clinical Faculty, School of Nursing

(2003), Ph.D. (University of CA-Irvine)

SUGAYA, KIMINOBU, Secondary Joint Professor of Molecular Biology and Microbiology

(2004), B.S., M.S., Ph.D. (Science University of Tokyo)

SWEENEY, PAUL D., Professor of Psychology

(1999), M.S., Ph.D. (Indiana University)

TETER, KENNETH, Joint Assistant Professor at the Biomedical Science Center

(2004), B.S., Ph.D. (University of California, Berkeley)

THOMPSON, COREY M., Professor of Chemistry

(2001), B.S., M.S., Ph.D. (Auburn University)

TING, ROBERT Y., Professor of Chemistry and Research Professor of Mechanical Engineering

(1997), B.S., M.S., Ph.D. (University of California, La Jolla)

VALDES, EDUARDO V., Associate Research Professor of Biology

(2002), M.S., Ph.D. (University of Guelph)

VAN STRYLAND, ERIC W., Professor of Optics

(1987), B.S., Ph.D. (University of Arizona)

WAN, THOMAS, Secondary Joint Professor of Nursing and Secondary Joint Professor of Health Professions

(2003), Ph.D. (University of Georgia)

WARREN, WILLIAM, Courtesy Assistant Professor of Molecular Biology and Microbiology

(2004), B.S., Ph.D. (The Pennsylvania State University)

WATSON, STEPHEN M., Secondary Joint Assistant Professor of Electrical & Computer Engineering

(2004), Ph.D. (University of Nottingham)

WEEKS, ARTHUR, Secondary Joint Associate Professor of Optics & Photonics: CREOL & FFCPE

(2004), B.S., M.S.E.E., Ph.D. (University of Central Florida)

WHEELER, RAYMOND, Professor, Biology

(2003), (Utah State University)

WHISLER, MARLYN W., Associate Professor in Political Science

B.A., M.A., Ph.D. (University of Wisconsin)

WHITCOM, CARRIE, Professor of Forensic Science

B.S., M.S.F.S. (George Washington University)
HOSNI, NADINE, Coordinator for Dispute Resolution Services (2003), B.S., M.B.A. (Rollins College)

HUFF-CORZINE, LIN, Assistant Vice President, Academic Affairs, and Associate Professor of Sociology (1996), B.A., Ph.D. (Washington University)

JENSEN, BERNARD, Associate Professor of Psychology and Director, Eastern Regional Campus (1985), B.S., M.A., Ph.D. (Southern Illinois University)

JONES, TRACY R., Director, Admissions and Registration Office of Graduate Admissions and Student Services (1995), B.A., M.A. (University of Central Florida)

JUNTUNEN, SHAHE, Assistant Director for Office of Student Involvement/Advisor for Student Government (2003), B.S., M.Ed. (James Madison University)

JUNTUNEN, SHANE A., Assistant Director for Office of Student Involvement/Advisor for Student Government (2003), B.S., M.Ed. (James Madison University)


KATZ, SUSAN RACHEL, Director, Southeast Region, National Consortium for Academics and Sports, Academic Retention and Development (1997), B.S. M.S. (Northeastern University)


KRIST, PAULA S., Director of Operational Excellence and Assessment Support (2004), Ph.D. (University of North Carolina)

LAASKO, BEVERLY B., Associate Director, Office of Research (1997), B.S.B.A., M.P.A. (University of Central Florida)

LAUREANO, GLORIA, Director of Undergraduate Advising (2000), B.A. (Purdue University), M.A., Ed. D. (University of Central Florida)

MACKOWN, PATRICIA A., Associate Vice President for Campus Life, Director, Office of Student Rights and Responsibilities and Director, Student Legal Services (1979), B.A., M.A. (University of Central Florida)


MASON, GREGORY S., Director for Greek Housing (1990), B.A., M.S. (Indiana University)

McCRAY, CHRISTOPHER, JR., Director of University and Affiliated Housing (1980), B.S., M.S. (Florida State University)

McKINNEY, MARY, Executive Director for Student Financial Assistance (1973), B.S., M.P.A. (University of Central Florida)

MEALOR, DAVID J., Director, Central Region, Regional Campuses (1980), Ph.D. (University of Georgia)

MERICK II, WILLIAM F., Vice President for Administration and Finance (1996), B.B.A., M.B.A. (Georgia State University)

MESSINA, THOMAS, Associate Vice President for Alumni Relations and Executive Director of the UCF Alumni Association (1992), B.S., M.B.A. (Embry Riddle Aeronautical University)

MILLICAN, CHARLES N., President Emeritus and Special Assistant to the UCF Foundation Chief Executive Officer (1996), M.A., Ph.D. (University of Florida)

MIZNADJ, KIM A., Assistant Vice President for Major Gifts and Director of Corporate and Foundation Relations (1995), B.A. (University of Central Florida)

MINNICK, LISA A., Associate Director of Student Financial Assistance (1989), B.A. (University of Central Florida)

MONROE, JUDITH E., Assistant Vice President (1978), B.S., M.A. (University of Central Florida)

MOONEY, KARL P., Director of Academic Services for Student Athletes and Assistant to the Athletic Director (2001), B.S. M.A., Ed.D. (Lehigh University)

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MORRISON-SHELAR, ALISON, Director, Karen L. Smith Faculty Center for Teaching and Learning, and Professor of Biology (2002), B.S., Ph.D. (Dundee College of Technology)


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NEIGHBOR, J. EDWARD, Vice Provost, Academic Systems, and Professor of Physics (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

NEWMAN, PETER, Director, Facilities Planning (1977), B.S. (Drexel University)

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REED, HCAL, Assistant Vice President for Planned Giving (2000), B.A., J.D. (University of Kansas)

RIDDLE, LAURA, Director for Alcohol and Other Drug Programming (2001), B.A., M.A. (University of Central Florida)

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TREES, DIANE, Director, Community Relations (1994), B.S., B.S.N., M.S. (University of Central Florida)
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<td>Director, Course Development and Web Services</td>
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<td>UHLIR JR., JAMES E.</td>
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<td>ULLOM, CRAIG E.</td>
<td>Associate Vice President for Campus Life</td>
<td>(1998), B.A., M.S., Ed.D. (University of Georgia)</td>
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<td>VAIDYANATHAN, PALLAVOOR N.</td>
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<td>WAGNER, PATRICK</td>
<td>Assistant Vice President and Director, Continuing Education</td>
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<td>WANG, ALVIN Y.</td>
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<td>WATSON, JIMMY L.</td>
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<td>(1980), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)</td>
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<td>WEIDMAN, DIANA</td>
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<td>WELCH, KERRY</td>
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<td>WILKENING, JAMES</td>
<td>Associate Director for Recreation and Wellness Center</td>
<td>(1992), B.S.B.A., M.A.T. (University of Louisville)</td>
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<td>WILLIAMS, ASHLEY B.</td>
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<td>WINFIELD, HERBERT H.</td>
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<td>(1999), B.A., M.A., Ph.D. (University of Nebraska)</td>
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<td>YANCKELLO, ROBERT</td>
<td>Director, Computer Services and Telecommunications</td>
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<td>YOUNG, DENISE L.</td>
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<td>ZIGLER, MICHELE K.</td>
<td>Assistant Professor, Nursing</td>
<td>(1990), B.A., M.S.W., Ph.D. (University of Michigan)</td>
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<tr>
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<tr>
<td>May, 1989</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
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A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add/Drop: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through MyUCF (https://my.ucf.edu) without penalty by adding or dropping courses. Students should check the appropriate term's Schedule Web Guide for details.

AEP: Academic Exploration Program to assist undeclared students.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): Computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from MyUCF at https://my.ucf.edu. (See also “SASS Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see 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).

BCBS: Burnett College of Biomedical Sciences.

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration

CECS: College of Engineering and Computer Science

Certificate: special program of study supplemental to a major.

Ct: consent of instructor.

Class Schedule Search: a component of the online MyUCF system (https://my.ucf.edu) that lists courses and class sections offered each academic term.

CLAST: College Level Academic Skills Test: the CLAST is a required statewide test which measures selected communication and mathematics skills.

CLAST Alternative: refers to another way of satisfying one or more subs tests of the CLAST requirement other than taking the exam - through combination test scores (SAT or ACT) and specific course grades.

COE: College of Education.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are nine colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Burnett College of Biomedical Sciences (BCBS), Education (COE), Engineering and Computer Science (CECS), Health and Public Affairs (COHPA), Optics and Photonics (COP), The Burnett Honors College (BHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every credit hour 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.

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.

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.

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).

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.

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.

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.

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.

Player Development: a student may drop a course during the official Add/Drop period and a dropped course will not appear on the student's permanent record. Students are not fee liable for dropped courses.

Enrollment Certification: an official University document that provides a student's enrollment history including status, dates enrolled, and degrees awarded, available online at my.ucf.edu in Student Self Service.

Equipment Fee: A charge associated with some majors to cover the use and replacement of equipment.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu. In addition, students can print a computerized summary of progress made in courses as of the last requested date.

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.

means satisfies requirements for two majors.

Drop: a student may drop a course during the official Add/Drop period and a dropped course will not appear on the student's permanent record. Students are not fee liable for dropped courses.

Selective: any course not required as part of the General Education Program or as part of your major/minor.

Email: primary official means of communication with students regarding University business and information.

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.

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.

NID: Network Identification Number that students use to log in to WebCT, Pegasus e-mail and the UCF computer labs.

OASIS: Office of Academic Support and Information Services is the primary office for undergraduate academic assistance in the College of Arts and Humanities and the College of Sciences.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal Identification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student’s status upon acceptance into the program.)

PID: (Personal Identification Number); personal eight-digit code required when entering MyUCF, or the UCF Information Kiosks.

MyUCF: the UCF/student information portal online at https://my.ucf.edu. MyUCF is a powerful, security-encrypted, PID (Personal Identification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In MyUCF, students may obtain a list of current holds, change the Password, e-mail address, telephone number, and permanent/mailing addresses; search for courses each term; register, drop and add courses each term; withdraw from courses following the close of Late Registration and Add/Drop, print the “SASS Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through MyUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SASS Degree Audit: A Student Academic Support System is a computerized degree audit that lists courses completed toward major and degree requirements.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (See “Office of Student Financial Assistance” within the “Financial Information” section of this Undergraduate Catalog.)

Schedule Web Guide: Multiple-Term editions available online at http://registrar.ucf.edu. Provides the “Academic Calendar,” guides to registering online, Class Schedule Search and the Fee Invoice, and contains the policies that govern course registration. Each term’s class listings are available only on-line through MyUCF Class Schedule Search at https://my.ucf.edu.

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: there may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of 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 Area Campus System: UCF at Cocoa, UCF at Daytona Beach, UCF Downtown, UCF at Heathrow, UCF at MetroWest, UCF at Ocala, UCF at Osceola, UCF at Palm Bay, UCF at Sanford/Lake Mary, UCF at South Lake, UCF at South Orlando.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

Withdrawal, Withdraw from a Course: to formally request an official withdrawal from one or more courses during the first half of the term or session through MyUCF (https://my.ucf.edu) or at the Registrar’s Office.
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