May 2005
Volume 38, Number 1

Additional copies of this Undergraduate Catalog may be purchased for $7.00 in the University Bookstore or by mail for $10.00 (check payable to UCF Bookstore) from: Catalog, UCF Bookstore, Orlando Florida 32816-2444. A current Undergraduate Catalog is issued to each new degree-seeking student during Orientation at the time of the first registration. The succeeding edition is available for purchase each year after June 1.

Cover and copy edited and prepared by the Registrar’s Office, Unit of Academic Development and Retention, Division of Student Development and Enrollment Services. Cover design and pre-press production: Michael R. Zinssar, Assistant Director, Information and Publications Services, Registrar’s Office. New Catalog policies and requirements take effect with the Summer term.

© and ™ 2005 University of Central Florida. This publication is copyrighted by the University of Central Florida and may not be reprinted or republished in whole or in part in any fashion or any media whatsoever without the prior written consent of a duly authorized University of Central Florida official.
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.
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 129,500 alumni.

Cordially yours,

John C. Hitt
President
| College of Education | 84 |
| College of Engineering and Computer Science | 87 |
| Reserve Officer Training Corps | 94 |
| College of Health and Public Affairs | 96 |
| College of Optics and Photonics | 100 |
| Rosen College of Hospitality Management | 101 |
| UCF Degree Programs | 102 |
| Accounting | 103 |
| Actuarial Science | 104 |
| Advertising/Public Relations | 106 |
| Aerospace Engineering | 107 |
| Anthropology | 108 |
| Art | 109 |
| Art–Animation Track | 111 |
| Art–History Track | 112 |
| Art–Studio Track | 113 |
| Art Education | 114 |
| Biology | 115 |
| Biology–Preprofessional | 117 |
| Cardiopulmonary Sciences | 118 |
| Chemistry | 120 |
| Civil Engineering | 121 |
| Civil Engineering–Construction Engineering Concentration | 122 |
| Communicative Disorders | 124 |
| Computer Engineering | 125 |
| Computer Engineering–Software Engineering Concentration | 126 |
| Computer Science | 127 |
| Criminal Justice | 129 |
| Digital Media | 130 |
| Early Childhood Education | 132 |
| Economics (B.A. and B.S.B.A.) | 133,134 |
| Electrical Engineering | 135 |
| Electrical Engineering–Microelectronics Concentration | 137 |
| Electrical Engineering Technology–Wireless Communication Concentration | 138 |
| Electrical Engineering Technology–Computer Systems Concentration | 139 |
| Electrical Engineering Technology–Electrical Systems Concentration | 140 |
| Electrical Engineering Technology–Photonics Concentration | 141 |
| Elementary Education | 142 |
| Engineering Technology–Design Concentration | 144 |
| Engineering Technology–Operations Concentration | 145 |
| Engineering Technology–Space Systems Concentration | 146 |
| English-Creative Writing | 147 |
| English–Literature | 148 |
| English–Technical Writing | 149 |
| English Language Arts Education | 150 |
| Environmental Engineering | 151 |
| Exceptional Student Education | 153 |
| Film–B.F.A. | 154 |
| Film–Cinema Studies Track | 155 |
| Film–World Cinemas Track | 156 |
| Finance | 157 |
| Foreign Language Education–French | 158 |
| Foreign Language Education–Spanish | 160 |
| Forensic Science–Analysis Track | 161 |
| Forensic Science–Biochemistry Track | 162 |
| French | 164 |
| General Business | 164 |
| Health Information Management | 165 |
| Health Sciences–Athletic Training Track | 166 |
| Health Sciences–Generalist Track | 168 |
| Health Services Administration | 169 |
| History | 170 |
| Hospitality Management | 171 |
| Humanities | 172 |
| Humanities–Philosophy, Religion and Popular Culture | 175 |
| Humanities–Religious Studies Track | 176 |
| Industrial Engineering | 177 |
| Information Systems Technology | 178 |
| Information Technology | 179 |
| Interpersonal Communication | 180 |
| Journalism | 181 |

| Legal Studies | 182 |
| Liberal Studies | 183 |
| Liberal Studies–Computer Information Technology Track | 184 |
| Liberal Studies–Environmental Studies Track | 185 |
| Liberal Studies–Liberal Arts Track | 186 |
| Liberal Studies–NanoScience and Nanotechnology Track | 187 |
| Liberal Studies–Women’s Studies Track | 188 |
| Management | 189 |
| Management Information Systems | 191 |
| Marketing | 192 |
| Mathematics–Applied Track | 194 |
| Mathematics–Computational Track | 195 |
| Mathematics–Engineering/Physics Track | 196 |
| Mathematics–Pure Track | 197 |
| Mathematics Education | 198 |
| Mechanical Engineering | 199 |
| Medical Laboratory Science | 201 |
| Modern Language Combination | 202 |
| Molecular Biology and Microbiology | 203 |
| Music | 204 |
| Music Education | 206 |
| Music Performance | 208 |
| Nursing | 209 |
| Nursing–RN to BSN Program | 211 |
| Nursing–RN to MSN Program | 213 |
| Organizational Communication | 213 |
| Philosophy | 214 |
| Philosophy | 215 |
| Physical Education | 216 |
| Physics | 218 |
| Political Science | 219 |
| Political Science–International Studies Track | 221 |
| Political Science–PreLaw Track | 222 |
| Psychology (B.A. and B.S.) | 223,224 |
| Public Administration | 225 |
| Radio–Television | 226 |
| Radiologic Sciences | 228 |
| Restaurant and Foodservice Management | 229 |
| Science Education–Biology | 230 |
| Science Education–Chemistry | 231 |
| Science Education–Physics | 233 |
| Social Sciences | 234 |
| Social Science Education | 235 |
| Social Work | 236 |
| Sociology | 238 |
| Spanish | 239 |
| Sports and Fitness | 240 |
| Statistics | 241 |
| Technical Education and Industry Training | 243 |
| Theatre (B.A. and B.F.A.) | 245,246 |
| Theatre–Musical Theatre Track | 248 |
| Minors, Certificates, and Study Abroad | 250 |

### Accelerated Undergraduate–Graduate Programs
| Economics (B.A./M.A.A.E. and B.S.B.A./MA.A.E.) | 279 |
| History | 280 |
| Liberal Studies | 281 |
| Nursing Second Degree B.S.N. Option | 283 |

### Articulated A.S. to B.S. Degree Programs
| Criminal Justice | 285 |
| Electrical Engineering Technology | 286 |
| General Business | 287 |
| Hospitality Management | 288 |
| Information Systems Technology | 289 |
| Liberal Studies | 290 |
| Nursing | 291 |
| Radiologic Sciences | 292 |

### Common Course Numbering System
| 293 |
| UCF Courses and Descriptions | 294 |
| University Faculty and Administrative Officers | 300 |
| Honorary Degrees Awarded | 414 |

### Index
| 415 |
State of Florida Board of Education
Jeb Bush, Governor
Thomas G. James, Commissioner of Education
William J. Pettway, Attorney General
Glenda Hood, Secretary of State
Robert F. Barbour, Commissioner of Agriculture

University of Central Florida Board of Trustees
Richard A. Nunis, Chair
Thomas A. Yochum, Vice Chair
Judith A. Albertson, Winter Park
Olga M. Calvet, Lake Buena Vista
Patrick J. Christiansen, Orlando
Geraldine M. Ferris, Winter Park
Phyllis A. Klock, Atlanta, GA
Richard H. Lee, Orlando
Willie Bentley, Jr., Student Trustee
Harris Rosen, Orlando
Conrad Santiago, Orlando
Richard J. Walsh, Orlando
Arlen Chase, Faculty Senate Trustee

Principal Officers of Administration
President: John C. Hitt
Provost and Vice President for Academic Affairs: Terry L. Hickey
Vice President and Chief of Staff: Beth Barnes
Vice President for Administration: William F. Merck II
Vice President for Community Relations: Helen Donegan
Vice President for Marketing, Communications and Admissions: Thomas Huddleston, Jr.
Vice President for Student Development and Enrollment Services: Manibeth Ehasz
Vice President for Student Affairs: Daniel C. Holstein
Vice President for Research: M. J. Soileau
Vice President for Development and Alumni Affairs: Robert J. Holmes, Jr.

Administration
Office of the President
President of the University: John C. Hitt
Sr. Executive Assistant to the President: Amy J. Barninger
Sr. Administrative Assistant to the President: Sandra M. Cheregow
General Counsel: W. Scott Cole
Director, Athletics: Steven Orsini

Vice President and Chief of Staff
Vice President and Chief of Staff: Beth Barnes
Director, Diversity Initiatives: Valerie G. King
Director, EEO/AA Programs: Janet P. Balanoff
General Counsel (for Administration and Alumni Affairs): W. Scott Cole
Executive Director, University Audit: Barbara B. Ratti
University Ombuds Officer: Vicky Brown

Office of the Vice President for Community Relations
Vice President for Community Relations and Special Assistant to the President: Helen Donegan
Constituent Relations: Glienna Oro
Global Perspectives: John Benia
Metropolitan Center: Linda Chapin

University of Central Florida Foundation, Incorporated
President for Alumni Relations and Development and Chief Executive Officer: Robert J. Holmes, Jr.
Associate Vice President for Development: Kim A. Minana
Associate Vice President for Finance and Chief Financial Officer: TBA

Office of the Provost and Vice President for Academic Affairs
Provo (UCF) and Vice President for Academic Affairs: Terry L. Hickey
Interim Dean, The Burnett Honors College: Alvin Wang
Vice Provost, Information Technologies and Three Forces: Joel L. Hartman
Vice Provost, Academic Administration: J. Edward Neibor
Vice Provost, Regional Campuses: David Harrison
Associate Vice President, Planning and Evaluation: Denise L. Young

Office of the Provost and Vice President for Academic Affairs
Assistant Vice President, Dean of Undergraduate Studies: John F. Schell
Assistant Vice President, Faculty Relations: Lin Huff-Corzine
Assistant Vice President and Director, Continuing Education: Steven Sorg
Assistant Vice President and Director, Interim Assistant Vice President, International and Interdisciplinary Studies: Mariam Z. Hane
Director, Central Region, Regional Campuses: David J. Meador
Director, Eastern Region, Regional Campuses: L. Bernard Jansen
Director, Southern Region, Regional Campuses: James A. Drake
Director, Western Region, Regional Campuses: Cecelia A. Rivers
Director, Karen L. Smith Faculty Center for Teaching and Learning: Alison Morrison-Sotel
Director, Center for Cooperative Education and Experiential Learning: Sheri Dressler
Director, Computer Services and Telecommunications: Robert Yankello
Director, University Libraries: Barry B. Baker
Director, Instructional Resources: Ruth Marshall
Director, Course Development and Web Services: Barbara Truman
Director, University Analysis and Planning Support: Robert L. Armado
Director, Florida-Eastern European Linkage: Jean Kjek
Director, Research Initiative for Teaching Effectiveness: Charles Dzuban
Interim Director and University Data Administrator: Paige Borden

Office of Undergraduate Studies
Assistant Vice President, Academic Affairs, and Dean, Undergraduate Studies: John F. Schell
Associate Dean, Undergraduate Studies: David Dees

Office of the Vice Provost and Dean of Graduate Studies
Vice Provost and Dean of Graduate Studies: Patricia J. Bishop
Associate Dean of Graduate Studies: Ben B. Morgan Jr.
Assistant Director, Recruiting: Wendell L. Boyd
Director, Admissions and Student Services: Tracy R. Jones
Associate Director, Academic Programs and Completion: Joanne Muratori
Associate Director, Financial Assistance: Debra W. Winter

Office of the Vice President for Marketing, Communications and Admissions
Vice President for Marketing, Communications and Admissions: Thomas Huddleston, Jr.
Assistant Vice President: Terrence K. Helms
Assistant Vice President for Undergraduate Admissions, Student Financial Assistance: Gordon D. Chavis, Jr.
Director, Student Outreach Programs: Rhonda C. Hall
Director, Interim Assistant Vice President for Undergraduate and Information: Richard S. Payne

Office of the Vice President for Student Development and Enrollment Services
Vice President for Student Development and Enrollment Services: Maribeth Ehasz
Director, Office of Campus Life: Craig E. Ulloa
Interim Associate Vice President for Academic Development and Retention: Mark Alan Poisel
Assistant Vice President for Administrative Services: Sharon Exem
Assistant Vice President for Campus Life and Director, Student Rights and Responsibilities: A. J. Range
Assistant Vice President for Student Life and Director, Off-Campus Student Services: Jimmy Watson
Interim Assistant Vice President, First Year Transitions and Director, Student Academic Resource Center and University Testing Center: DeLaine Priest
Executive Director, Career Services & Experiential Learning: Melanie Parker
Director, Academic Services for Student-Athletes and Senior Associate to the Vice President for Student-Athletes: TBA
Interim Director, Activity and Service Fee Business Office: Joseph Sciarino
Director, Administrative Services: David L. Pavlinski
Director, Assessment and Planning: Ronald A. Powell
Director, Campus Faiths and Ministries: TBA
Director, Counseling Center: Catherine Steel
Director, Creative School for Children: Marcia Diederich
Director, Eastern Region Campus Life: Diana H. Weidman
Director, Greek Affairs: Gregory Mason
Director, Housing and Residence Life: Christi Hartley
Director, LEAD Scholars Program: Gary Morgan-Muskln
Director, Office of Student Involvement: Joseph Suchak
Director, Orientation Services: Joe Ritchie
Director, Recreation and Wellness Center: William Epling
Director, Rosen College of Hospitality Management: William F. Averett
The Burnett Honors College

Interim Dean  ..................................................  Alvin Wang
Associate Dean  .....  TBD

Director of Undergraduate Studies and Civic Engagement  ...........................................  Kelly Astro
Director of Undergraduate Studies  ...........................................  Madi Dogariu
Director of Computer Systems and Operations  ..................................................  Andrew Holloway
Director of Student Affairs  ..................................................  Jill Norburn
Director of Administrative Services  ..................................................  Donna Plastides
Director of Student Development  ..................................................  Lisa Sklar
Director of Advising  ..................................................  Peter Wallace

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 Mitrani
Director, School of Accounting  ..................................................  Andrew J. Judd
Chair, Economics  ..................................................  Dhanalee Hosni
Chair, Management  ..................................................  Foad Jones
Chair, Management Information Systems  ..................................................  Paul Cheney
Director, Student Support  ..................................................  Helen Y. Hill

College of Education

Dean  ..................................................  Sandra L. Robinson
Associate Dean for Academic Affairs  ..................................................  Jennifer C. Platt
Associate Dean for Research and Graduate Studies  ..................................................  TBD
Assistant Dean for Administration and Accreditation  ..................................................  Suzanne M. Martin
Chair, Educational Studies  ..................................................  Karen L. Biraimah
Chair, Child and Family Community Sciences  ..................................................  Wilfred D. Wienke
Chair, Teaching and Learning Principles  ..................................................  Robert Williams
Interim Chair, Educational Research, Technology and Leadership  ..................................................  Martha Hopkins
Interim Director of Clinical Experiences  ..................................................  Carolyn Walker Hopp
Director of Student Services  ..................................................  Tina M. Smiley
Director of Minority Programs in Education  ..................................................  Fritziilaine Powell

College of Engineering and Computer Science

Dean  ..................................................  Neal Gallagher
Associate Dean for Academic Affairs  ..................................................  Jamal F. Nayef
Associate Dean, Undergraduate and Graduate Studies  ..................................................  Kien Hu
Assistant Dean for Distributed Learning  ..................................................  Sam Ritchie
Interim Director, School of Computer Science  ..................................................  Ronald D. Dutton
Interim Chair, Electrical and Computer Engineering  ..................................................  Issa Batarseh
Director of Development  ..................................................  Wayne Werntberg
Director of Academic Services  ..................................................  Richard King
Director of External Relations  ..................................................  Christian S. Bauer
Director, Minority Engineering and Computer Science Program  ..................................................  Jacqueline Smith
Interim Chair, Civil and Environmental Engineering  ..................................................  Debra Rennert
Chair, Engineering Technology  ..................................................  Ronald Ewing
Chair, Industrial Engineering and Management Systems  ..................................................  Lesia Crompton-Young
Chair, Mechanical, Materials and Aerospace Engineering  ..................................................  Ranganathan Kumar
Director, School of Engineering  ..................................................  L. Col Timostratos
Chair, Military Service (Army ROTC)  ..................................................  LTC John J. Ruzich

College of Health and Public Affairs

Dean  ..................................................  Belinda R. McCarthy
Associate Dean, Operations  ..................................................  Joyce E. Dorner
Interim Associate Dean, Resource Planning  ..................................................  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. Jane Linn-Lynd
Chair, Criminal Justice and Legal Studies  ..................................................  Bernard J. McCarthy
Chair, Health Professions  ..................................................  Diane Jacobs
Director, School of Nursing  ..................................................  Jean Lenier
Chair, Public Administration  ..................................................  Montgomery Van Wart
Director, School of Social Work  ..................................................  Mary Van Hook
Director, Student Support  ..................................................  Judith A. Sindlinger

College of Optics and Photonics

Dean and Director  ..................................................  Eric Van Stadun

Rosen College of Hospitality Management

Dean  ..................................................  Abraham Pizam
Associate Dean  ..................................................  Stephen LeBruno
<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2005</th>
<th>Spring 2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application deadline for Graduate International students</td>
<td>Jan. 15</td>
<td>July 1</td>
</tr>
<tr>
<td>Application deadline for Undergraduate International students</td>
<td>March 1</td>
<td>Sept. 1</td>
</tr>
<tr>
<td>Application deadline for all New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>Nov. 1</td>
</tr>
<tr>
<td>Application deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>Nov. 1</td>
</tr>
<tr>
<td>Application deadlines for readmission</td>
<td>July 15</td>
<td>Nov. 15</td>
</tr>
<tr>
<td>Graduation Application (Intent to Graduate form)</td>
<td>March 7 - Aug. 5</td>
<td>Oct. 17 - Dec. 2</td>
</tr>
<tr>
<td>Residence halls open</td>
<td>Aug. 17 (11:00 a.m.)</td>
<td>Jan. 6 (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. 19</td>
<td>Jan. 6</td>
</tr>
<tr>
<td>Registration for UCF Employees, Senior Citizen Audits, and STEP (begins 3:30 p.m.)</td>
<td>Aug. 19</td>
<td>Jan. 6</td>
</tr>
<tr>
<td>Classes begin</td>
<td>Aug. 22</td>
<td>Jan. 9</td>
</tr>
<tr>
<td>Late Registration(^2) and Add/Drop(^1)</td>
<td>Aug. 22-26</td>
<td>Jan. 9-13</td>
</tr>
<tr>
<td>Last day for full refund(^1)</td>
<td>Aug. 26</td>
<td>Jan. 13</td>
</tr>
<tr>
<td>Grade Forgiveness deadline(^1)</td>
<td>Aug. 26</td>
<td>Jan. 13</td>
</tr>
<tr>
<td>Last day to mail payment (postmarked)</td>
<td>Sep. 1</td>
<td>Jan. 19</td>
</tr>
<tr>
<td>Payment deadline(^2)</td>
<td>Sep. 2</td>
<td>Jan. 20</td>
</tr>
<tr>
<td>CLAST test (register by September 2/Jan. 20)</td>
<td>Oct. 1</td>
<td>Feb. 18</td>
</tr>
<tr>
<td>Withdrawal deadline(^3)</td>
<td>Oct. 14</td>
<td>Mar. 3</td>
</tr>
<tr>
<td>VA deferral payment deadline(^1)</td>
<td>Nov. 18</td>
<td>Apr. 7</td>
</tr>
<tr>
<td>Classes end; last day to remove incomplete(^3)</td>
<td>Dec. 3</td>
<td>Apr. 24</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Dec. 5-10</td>
<td>Apr. 25 - May 1</td>
</tr>
<tr>
<td>Residence halls close (noon)</td>
<td>Dec. 11</td>
<td>May 2</td>
</tr>
<tr>
<td>Commencement</td>
<td>Dec. 12-13</td>
<td>May 4-6</td>
</tr>
<tr>
<td>Grades due in Registrar’s Office</td>
<td>Dec. 14</td>
<td>May 4</td>
</tr>
<tr>
<td>Grades Available on MyUCF (begins 9:00 a.m.)</td>
<td>Dec. 16</td>
<td>May 6</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 (Mlt 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. 5, 2005</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>Oct. 31 - Nov. 5, 2005</td>
</tr>
<tr>
<td>Veteran’s Day Holiday</td>
<td>Nov. 11, 2005</td>
</tr>
<tr>
<td>Thanksgiving Holiday</td>
<td>Nov. 24-26, 2005</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 16, 2006</td>
</tr>
<tr>
<td>Spring Break - Holiday</td>
<td>March 13-18, 2006</td>
</tr>
<tr>
<td>Founders Day Honors Convocation (classes still held)</td>
<td>April 5, 2006</td>
</tr>
</tbody>
</table>
### SUMMER 2006 ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th></th>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
<th>Session D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Summertime</strong></td>
<td>6 Weeks</td>
<td>6 Weeks</td>
<td>12 Weeks</td>
<td>9 Weeks</td>
</tr>
<tr>
<td><strong>Application</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deadline for New</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Undergraduate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshmen Applicants</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>and Transfers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Application for</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deadline (Intent to</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate form)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration for</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Employees,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-degree,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transients and</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audits (begins 3:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>p.m.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration for</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UCF Employees, Senior</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Citizen Audits,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>and STEP (begins 3:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30 p.m.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residence halls open</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(11:00 a.m.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classes begin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Late Registration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>and Add/Drop</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fees due; Last day</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>for full refund</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade Forgiveness</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>deadline</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Withdrawal deadline</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VA deferral payment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>deadline</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classes end; last</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>day to remove</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>incomplete</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final Examination</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Period</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residence halls</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>close (noon)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grades due in</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registrar’s Office</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grades Available to</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>my UCF (begins 9:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a.m.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commencement</td>
<td></td>
<td></td>
<td></td>
<td></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) 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. Summer B payment deadline for all students who register 3/27 - 5/19; Summer B payment deadline for all students who register May 20 - June 30.
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.
4. $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
5. Incomplete grades must be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to F.
6. Summer Final Exams are given during the last class meeting.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Holiday</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memorial Day Holiday</td>
<td>May 29, 2006</td>
</tr>
<tr>
<td>Independence Day Holiday</td>
<td>July 4, 2006</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.

Sexual Harassment Policy
The University of Central Florida values diversity in the campus community. Accordingly, discrimination on the basis of race, sex, national origin, religion, age, disability, marital status, parental status, 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 main campus, in Millican Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1EEO. Policies and guidelines are available online at http://egasus.cc.ucf.edu/~eeo/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 residential rooms in the residence halls and other on-campus or affiliated housing unless otherwise prohibited by the governing organization. Consumption of alcoholic beverages in public or common areas within on-campus residential units shall follow guidelines provided by their governing organization, and local, state and federal law.

**Approval Procedures: Student Groups**

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

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


**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. without authorization or using them for any commercial purpose without the express written permission of the University and the Instructor is a violation of this rule.

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

**Student Use Of Technology**

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

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

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

**Student Responsibility for University Communication**

To communicate in a more expedient 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.

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.

**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.
RESOURCES & DEPARTMENTS

UNIVERSITY OF CENTRAL FLORIDA

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

<table>
<thead>
<tr>
<th>College/Discipline</th>
<th>Accrediting Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts and Sciences</td>
<td>American Chemical Society (ACS)</td>
</tr>
<tr>
<td>Music</td>
<td>National Association of Schools of Music (NASM)</td>
</tr>
<tr>
<td>Business Administration</td>
<td>The Association to Advance Collegiate Schools of Business (AACS)</td>
</tr>
<tr>
<td>(all disciplines)</td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>State Accreditation-Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)</td>
</tr>
<tr>
<td>(all disciplines)</td>
<td></td>
</tr>
<tr>
<td>Engineering and Computer Science</td>
<td>Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET)</td>
</tr>
<tr>
<td>Aerospace, Civil, Computer, Electrical, Environmental, Industrial, and Mechanical Eng</td>
<td>111 Market Place, #1050</td>
</tr>
<tr>
<td>Engineering Technology</td>
<td>Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology (ABET)</td>
</tr>
<tr>
<td>(Electrical Engineering and Engineering Technology)</td>
<td>111 Market Place, #1050</td>
</tr>
<tr>
<td>Health and Public Affairs</td>
<td>American Health Information Management Association (AHIMA) in conjunction with the Commission on Accreditation of Allied Health Education Programs (CAAHEP)</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>Committee on Accreditation for Respiratory Care in conjunction with the Commission on Accreditation of Allied Health Education Programs (CAAHEP)</td>
</tr>
<tr>
<td>Cardiopulmonary Science</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)</td>
</tr>
<tr>
<td>Health Information Management</td>
<td>American Association of Colleges of Nursing/ Commission on Collegiate Nursing Education (CCNE); Florida Board of Nursing</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>Joint Review Committee on Education in Radiologic Technology (JRCERT)</td>
</tr>
<tr>
<td>Nursing</td>
<td>Council on Social Work Education (CSWE)</td>
</tr>
<tr>
<td>Radiologic Sciences</td>
<td>Accreditation Commission for Programs in Hospitality Administration (AHPA)</td>
</tr>
<tr>
<td>Social Work</td>
<td></td>
</tr>
<tr>
<td>Hospitality Management</td>
<td></td>
</tr>
</tbody>
</table>

The University
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 42,000, UCF is now one of the largest universities in the nation.

The UCF community includes an international student body, 129,500 alumni, and 8,400 faculty and staff. The University offers 104 bachelor’s degrees, 64 master’s degrees, three specialist degrees and 23 Ph.D. degrees as well as more than 65 graduate certificate programs. In addition to offering classes on the 1,415-acre main campus in Orlando, UCF’s regional campuses serve students throughout an 11-county area in Central Florida. More than 13,000 students are enrolled in online courses.

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 Progress 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 prominence 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.

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. Refer to the Learning Online website (http://learn.ucf.edu/) for additional information.

**UCF Regional Campuses**

The University of Central Florida also offers a number of programs through UCF Regional Campuses in your neighborhood. 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. and limited A.S. degrees to upper-level division work on a baccalaureate degree. Programs include 27 Bachelor's programs, 23 minors and certificates, 15 master's degrees, 9 Graduate Certificates, and 1 Doctoral program 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, and UCF at South Lake. In addition, advising is provided through UCF at Sanford/Lake Mary and UCF at Palm Bay. 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. In response to community needs, the University of Central Florida also offers programs and courses in other locations. UCF Orlando 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

Millican Hall, MH 331

407-823-4547

**Vice Provost, UCF Regional Campuses**

David Harrison

**Asst. Vice President, Central Region Director**

David Mealor

**Asst. Vice President, Eastern Region Director**

Bernard Jensen

**Assoc. Vice President, Southern Region Director**

James A. Drake

**Asst. Vice President, Western Region Director**

Cecilia Rivers

**Administrative Assistant**

Barbara Rubright

**Assistant to the Vice Provost**

Melanie Woods

**Coordinator, Statistical Research**

Jeanne Walker

**Academic Programs**

**Director, Academic Planning**

Bill Wetherell

**Office Manager**

Valerie Brackman

**Instructional Facilities Scheduler**

Barbara Smith

**Advising**

**Director, Advising**

Judy Boyte

**Budget**

**Interim Asst. Director, Academic Support Services**

Vicky Matthews

**Coord., Academic Support Services**

Diana-Joy Colarusso

**Budget Specialist**

Bruce Whisler

**Communications**

**Associate Director, University Relations**

Karen Jans

**Web Administrator**

Tony Recascino

**Graphic Designer**

Mary Lou Wade

**Technology Services**

**Interim Director, Technology**

Kirk Henry

**Central Region:**

**UCF Downtown**

26 West Pine St.

Orlando, Fl  32801-2612

For information: 407-317-7700

**Asst. Vice President, Central Region Director**

David Mealor

**UCF Downtown Undergraduate Programs**

**College of Health and Public Affairs**

Legal Studies (B.A., B.S.)*

**Eastern Region:**

**UCF at Daytona Beach (Full-Service Campus)**

1200 W. International Speedway Blvd.

Daytona Beach, Fl  32114-0800

**UCF at DeLand**

UCF at Sanford/Lake Mary

For information: 386-506-4021

**Asst. Vice President, Eastern Region Director**

Bernard Jensen

**Eastern Region Associate Director**

David Laney

**Coordinator, Admissions, Registration, Records**

Tena Harris

**Program Officer, Admissions, Registration**

Sheri Newbie-Dunn

**Program Assistant, Admissions, Registration**

LaShawn Glaspie

**Coordinator, Financial Aid**

Charlene Driver

**Assistant Director, Academic Support Services**

Keith Brantham

**Coordinator, Academic Support Services**

Leeann Davis

**Coordinator, Academic Support Services**

Daryl Greetly

**Coordinator, Academic Support Services**

Raphael Robinson

**Coordinator, Academic Support Services**

Cindy Thomas

**Director, Campus Life**

Diana Weidman

**Computer Technology**

Germaine G. Washington

**Government Administration**

**General Business Administration**

Accounting (B.S.B.A.)*

Economics (B.S.B.A.)*

Finance (B.S.B.A.)*

Management (B.S.B.A.)*

Management Information Systems (B.S.B.A.)*

Marketing (B.S.B.A.)*

**College of Education**

**Elementary Education (B.S.)**

Exceptional Education (B.S.)

Technical Education and Industry Training (B.S.) (Web-based)

**College of Health and Public Affairs**

Criminal Justice (B.A., B.S.)

Health Sciences (Generalist Track) (B.S.)

Health Services Administration (B.S.) (Web-based)

Legal Studies (B.A., B.S.)

Nursing (R.N. to B.S.N.)

**Undergraduate Minors and Certificates**

Anthropology in Multicultural Studies

Behavioral Forensics (Certificate)

Business (For Non-Business Majors Only)

Criminal Justice

English -Technical Writing

Environmental Studies

Exceptional Education

Health Sciences

Health Services Administration (Web-based)
Graduate Degree Programs
Business Administration (M.B.A.)*
Criminal Justice (M.S.)
Educational Leadership (M.Ed., M.A.)
Elementary Education (M.A.)
Exceptional Education (M.Ed., M.A.)
Health Sciences: Health Services Administration (M.S.)
Nursing (M.S.N.)
Psychology, Clinical (M.A.)
Public Administration (M.P.A.)
Social Work (M.S.W.)
Technical Education and Industry Training (Web-based) (M.Ed., M.A.)

Graduate Certificate Programs
Corrections Leadership
Domestic Violence
ESOL Endorsement K-12
Juvenile Justice Leadership
Professional Writing
Public Administration

Doctoral Degree Program
Educational Leadership (Ed.D.)

UCF at Sanford/Lake Mary
Undergraduate Degree Programs
College of Arts and Sciences
Liberal Studies (B.A., B.S.)
Psychology (B.A.)

College of Education
Elementary Education (B.S.)

College of Health and Public Affairs
Criminal Justice (B.A., B.S.)
Legal Studies (B.A., B.S.)
Nursing (B.S.N., R.N. to B.S.N.)

Undergraduate Minors and Certificates
Business (for non-business majors only)
Criminal Justice
Liberal Studies
Psychology
Sociology

UCF at DeLand
Undergraduate Degree Programs
College of Education
Early Childhood Education (B.S.)

Southern Region:
UCF at Cocoa (Full-Service Campus)
1519 Clearlake Rd., Cocoa, Fl 32922
UCF at Melbourne
UCF at Palm Bay
For information: 321-433-7800
Assoc. Vice President, Southern Region Director
Southern Region Associate Director
Assoc. Director, Head of Partnership Library Services
Assist. Director, Academic Support Svcs
Coordinator, UCF Palm Bay
Coordinator, Admissions, Registration, Records
Interim Director, Campus Life
BCC/UCF Computer Application Specialist
Coordinator, Ed Media/ITV
Coordinator, Academic Support Services
Coordinator, Academic Support Services

UCF at Palm Bay
Undergraduate Degree Programs
College of Arts and Sciences
History (B.A.)

Liberal Studies (B.A., B.S.)
Psychology (B.A., B.S.)
Sociology (B.A.)

College of Business Administration
General Business Administration (B.S.B.A.)
Accounting (B.S.B.A.)*
Economics (B.S.B.A.)*
Finance (B.S.B.A.)*
Management (B.S.B.A.)*
Management Information Systems (B.S.B.A.)*
Marketing (B.S.B.A.)*

College of Education
Early Childhood Education (B.S.)
Elementary Education (B.S.)
Exceptional Education (B.S.)

College of Engineering and Computer Science
Engineering Technology - Operations (B.S.E.T.)
Information Systems Technology (B.S.)

College of Health and Public Affairs
Communicative Disorders (B.A., B.S.)
Criminal Justice
Exceptional Education
Liberal Studies

UCF at Cocoa
Undergraduate Degree Programs
College of Arts and Sciences
History (B.A.)

UCF at Palm Bay
Undergraduate Degree Programs
College of Arts and Sciences
History (B.A.)

Graduate Certificates
Domestic Violence
ESOL Endorsement K-12
Initial Teacher Professional Preparation
Pre-K Handicapped Endorsement
Public Administration
Teaching English as a Foreign Language

UCF at Palm Bay
Undergraduate Degree Programs
College of Arts and Sciences
Psychology (B.A., B.S.)
Liberal Studies (B.A., B.S.)

College of Education
Early Childhood Education (B.S.)

College of Health and Public Affairs
Communicative Disorders (B.A., B.S.)
Health Services Administration (B.S.) (Web-based)
Undergraduate Minors and Certificates
- Criminal Justice
- Organizational Communication
- Sociology

Graduate Degree Programs
- Health Sciences: Health Services Administration

Western Region:
UCF at South Lake (Full-Service Campus)
1250 N. Hancock Rd.
Clermont, FL 34711
- UCF at Leesburg
- UCF at MetroWest
- UCF at Ocala
- UCF at Osceola
- UCF at South Orlando

For information: 352-536-2113
Cecelia Rivers
Edgar Martinez
Christie Strange
Tanya Armstrong
Selena Forrester
Jason Mayer

UCF at South Lake
Undergraduate Degree Programs
- College of Arts and Sciences
  - Liberal Studies (B.A., B.S.)
  - Psychology (B.A.)
- College of Business Administration
  - General Business Administration (B.S.B.A.)
- College of Education
  - Early Childhood Education (B.S.)
  - Elementary Education (B.S.)
  - Sports and Fitness (B.S.)
- College of Health and Public Affairs
  - Criminal Justice (B.A., B.S.)

Graduate Degree Programs
- Public Administration

UCF at Leesburg
Undergraduate Degree Programs
- College of Health and Public Affairs
  - Nursing (R.N. to B.S.N.) (Web-Based)
- Graduate Degree Programs
  - Public Administration

UCF at Ocala
Undergraduate Degree Programs
- College of Arts and Sciences
  - Psychology (B.A.)
- College of Education
  - Elementary Education (B.S.)
- College of Health and Public Affairs
  - Nursing (R.N. to B.S.N.) (Web-based)

UCF at Osceola
Undergraduate Degree Programs
- College of Education
  - Elementary Education (B.S.)*
  - Exceptional Education (B.S.)*
- College of Business Administration
  - General Business Administration (B.S.B.A.)

*Admission by cohort only. Please see advisor for additional information.

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 act that enabled its creation “to encourage and promote the establishment of research and development activity combining the resources of institutions of higher learning, private sector enterprise involved in pure or applied research, and state or federal governmental agency research.”

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

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

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

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

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

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

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1986 to enable UCF to develop 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 restaurant management. This chair, the first of its kind in the country, also serves as a critical resource for the hospitality industry. Chair: William Fisher.

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

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

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

16

The International Services Center (ISC), a unit of the Division of University Ombud Office

The Office of the Ombuds Officer provides members of the University community assistance and advice regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others. Any type of concern may be brought to the attention of this office: academic, financial, housing, consumer, work-related, or personal. The University Ombuds Officer is a neutral facilitator, and will listen to concerns, help individuals explore options, offer suggestion and advice, and assist in the resolution of the concern. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the office. All proceedings in individual cases will be held confidential by the Ombuds Officer unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, room 338F. Appointments may be made by calling 407-823-6440.

University Ombuds Office

Dean: John F. Schell; MH 311, 407-823-4197

This office supports the undergraduate mission of the University, assisting the curriculum development and review, co-curricular planning and programming, and the effectiveness of units and faculty in their effort to provide outstanding undergraduate education.

Academic Services

Associate Dean: David R. Dees; MH 210; 407-823-2691

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

International Services Center

Associate Director: Nataly Chandia

CMMS (Building #81), 407-823-2337

The International Services Center (ISC), a unit of the Division of Graduate Studies, offers assistance and information to the University of Central Florida international community. The ISC provides leadership, advocacy and support services for current international students, scholars, and employees at the University of Central Florida, as well as assistance in adjusting to a new academic environment and culture. Furthermore, ISC has and will devote its efforts, plans and processes to ensure legal compliance with 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, I-94 visa holders’ immigration advice by professional lawyers, and international taxation assistance. The ISC is committed to providing accurate, updated and timely information on issues and needs pertinent to international students, scholars, and employees. Another important role of the Center is to enhance international awareness and cross cultural understanding through educational, cultural and social programs and activities.

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 property protection and personal safety 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 (407-823-8332/6069) provides services for: 1) emotional support and practical assistance; 2) information and referral; 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 and staff. For more information the UCFPD website is http://police.ucf.edu

Information Technologies and Resources

Vice Provost: Joel L. Hartman; MH 350; Phone 407-823-6778

http://reach.ucf.edu/~itr

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

http://reach.ucf.edu

Director: 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


University Libraries offers a variety of information resources and services. An extensive print resource collection includes 1.5 million volumes, 12,800 journal subscriptions, 2.9 million microforms and 39,000

University Of Central Florida

2005-2006 Undergraduate Catalog

Angeline A. Bushy,

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

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

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

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

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

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

Devos/Orlando Magic Sport Business Management Endowed 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.

University Ombud Office

The Office of the Ombuds Officer provides members of the University community assistance and advice regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others. Any type of concern may be brought to the attention of this office: academic, financial, housing, consumer, work-related, or personal. The University Ombuds Officer is a neutral facilitator, and will listen to concerns, help individuals explore options, offer suggestion and advice, and assist in the resolution of the concern. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the office. All proceedings in individual cases will be held confidential by the Ombuds Officer unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, room 338F.

Appointments may be made by calling 407-823-6440.

Office of Undergraduate Studies

Dean: John F. Schell; MH 311, 407-823-4197

This office supports the undergraduate mission of the University, assisting the curriculum development and review, co-curricular planning and programming, and the effectiveness of units and faculty in their effort to provide outstanding undergraduate education.

Academic Services

Associate Dean: David R. Dees; MH 210; 407-823-2691

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

International Services Center

Associate Director: Nataly Chandia

CMMS (Building #81), 407-823-2337

The International Services Center (ISC), a unit of the Division of Graduate Studies, offers assistance and information to the University of Central Florida international community. The ISC provides leadership, advocacy and support services for current international students, scholars, and employees at the University of Central Florida, as well as assistance in adjusting to a new academic environment and cultural.
media titles. The libraries' rapidly growing electronic resources include 400 databases, 40,000 e-books, and 5,650 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. 30 Group study rooms are available to students for collaborative research and study.

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)271-7597.

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 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 from Special Collections supports the research, teaching, and service of the UCF community. These special materials, which are easily replaced 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 to provide 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/Default.htm or call 823-2791.

The Universal Orlando Foundation Library, a new branch of UCF Libraries, is located at the Rosen College of Hospitality Management in the heart of the tourist corridor on Universal Boulevard. Though the faculty 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 checkout 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

Computer Services and Telecommunications
Director: Robert Yanickello; CSB 305; 407-823-2711
http://www.oir.ucf.edu

The department of Computer Services and Telecommunications (CST) provides a central point of support for all aspects of the university's computing, networking, and telecommunications. Additionally, the department maintains several public workstations labs located throughout campus as well as a professionally staffed computer store that facilitates the purchase of software or hardware at competitive prices.

CST provides and supports application/systems development, document imaging services, web hosting services, email and academic support services as well as Teledata services; including telephone, cable TV and other communication services. For additional information please visit our web site at http://www.compserv.ucf.edu

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 media, webcasting, ISDN video conferencing, video streaming, 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 receiving rooms at regional campus locations. OIR's facilities include the Digital Image Processing Lab (DIPL), located in the Research Pavilion (Suite 108), 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 (CL1 202) provides multimedia production and training resources for faculty using Macintosh and Windows personal computer systems. OIR's Interactive Video Classroom (CL1 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 300 advanced multimedia classrooms and eight interactive video origination campuses 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 at Daytona; UCF at Cocoa, UCF at Palm Bay, UCF at Melbourne (Valero), UCF at South Lake (Clermont), UCF at Kennedy Space Center, UCF at South Orlando, and other regional locations. OIR provides Ku and C-band satellite reception, cable television delivery on the Orlando campus, ISDN (384k) 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) develops systems and standards to support campus Web development at the University Of Central Florida (UCF). The unit supports major institutional Web initiatives including online learning (http://reach.ucf.edu), UCF's main Web site (http://www.ucf.edu), UCF's Web portal (http://my.ucf.edu), and special projects such as the AskUCF online Q and A service (http://ask.ucf.edu), and the UCF Virtual Tour (http://www.ucf.edu/vtour). CDWS brings to these projects extensive production resources and skills in project management, instructional design, digital media, video, new media, and Web programming.

CDWS also provides professional development ( ) activities for faculty and staff. Examples include ILD6543 (http://reach.ucf.edu/~ild6543), ADL5000 (http://reach.ucf.edu/~adl5000), and the WebCT Academy (http://reach.ucf.edu/~webct411).

CDWS offers student support through the Learning Online Web site (http://learn.ucf.edu), and faculty support through the Teaching Online Web site (http://teach.ucf.edu). UCF students play an active role in supporting CDWS projects. The Techrangers, a student Web programming team, build online courses and other Web projects while conducting Web related research and development activities.
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, and participates in all NCAA sponsored sports. 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, certificate-seeking or degree-seeking undergraduate students who are enrolled 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 2002 students is 83.0 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 in the John T. Washington Center, is the text book and course material destination. It offers a complete line of UCF clothing, logo gift items, convenience and snack items, as well as a full service Starbucks cafe. 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 bookstore.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 Millican 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 Shakesperience”. 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, 407/447-17-17, 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 (823-2586); toll-free (800) 330-ALUM; or connect anytime at www.ucfalumni.com.

UCF Foundation, Incorporated

The UCF Foundation, Incorporated is a non-profit, tax-exempt corporation directed by a 44 member community-based Board of Directors that encourages, solicits, receives, and administers private gifts and bequests of property and funds for scientific, educational, and charitable purposes. All gifts to UCF are received and processed through the UCF Foundation for support of the University. Call 407-862-1220 for additional information.
DIVISION OF MARKETING, COMMUNICATIONS, AND ADMISSIONS

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 association with the university’s diverse constituencies.
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
Interim Associate Vice President: Mark Allen Poisel; PH 216 (407) 823-2137, http://www.adr.sdes.ucf.edu
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: TBA; 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 services;
- Preparing student-athletes in their career planning and development;
- Assisting learning-disabled student-athletes with assessments and accommodations; and
- Providing student-athletes with computer access and services.

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz; WDBCSC 123; 407-823-5243
http://www.nccase.org

The mission of the National Consortium for Academics and Sports at the University of Central Florida is to help create a better society by focusing on educational attainment and using the power and appeal of sport to positively affect social change in the Central Florida community. The NCAS reaches this mission by building partnerships between the University, local schools, community organizations, and other non-profit agencies that also are committed to serving the community. For additional information, visit the National Consortium for Academics and Sports website at www.nccasports.org.

First Year Transitions (FYT)
Interim Assistant Vice President, DeLaine Priest; PH 113;
407-823-5130; http://fyt.sdes.ucf.edu

The Unit of First Year Transitions provides seamless articulation and necessary support to motivate and encourage first year students to more effectively transition into their new UCF environment while minimizing threats to their success. Through outreach, collaboration, and coordination, this unit comprises the offices of First Year Advising and Exploration, Orientation Services, and Transfer Services. A strong common component of First Year Transitions is the Academic Exploration Program for undeclared students and major changers. For more information, visit FYT’s website at http://fyt.sdes.ucf.edu.

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

The Academic Exploration Program has been developed to provide structured experiences to assist students who have not declared a major in selecting a career and major. Students are provided major exploration and career development connections as primary advising initiatives so students may assess, explore, plan, and decide on their future major at UCF. AEP has several components including coordinat ed academic advising services from a first year advising office, online assessments, and activities through a program called Golden Opportunities coordinated by the Career Resource Center. The program is also available to first year students who are unsure about their major choice and to those changing their majors. For more information, visit the AEP website at http://aep.sdes.ucf.edu.

First Year Advising and Exploration (FYAE)
Director: TBA; PH 116; 407-823-3789
http://firstyear.sdes.ucf.edu

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

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, small group advising sessions, outreach programs, email and phone communication, and individual appointments. The office focuses its efforts on providing proactive academic advising support, establishing early and regular communication, and providing outreach advising opportunities for first year students residing in both on- and off-campus facilities. FYAE also offers academic advising at a satellite office located in the Pegasus Landing affiliated housing area. In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through First Year Advising and Exploration. For further information, visit Howard Phillips Hall, room 116, or the FYAE website at http://firstyear.sdes.ucf.edu.

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

The Student Academic Resource Center provides high-quality programs 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 for how to learn the subject matter.

Free peer tutoring is also available for many UCF subject areas (e.g., 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 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 also are 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 also is available for students who need study skills advice or 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), the Grammar Proficiency Exam (GPE); and the Institutional Academic College Test (ACT) and College Level Examination Program (CLEP). It 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 Stinard; PH 102; 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;
- Current information about university programs and policies including entrance and exit requirements;
- Assistance in resolving issues once students have transferred;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, community colleges or universities;
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions;

For more information, visit the Transfer and Transition Services web-
Division Of Student Development And Enrollment Services

Orientation Services
Director: Joe Ritchie; PH 218; 407-823-5105
www.orientation.sdes.ucf.edu
The orientation program (combining pre-enrollment orientation with extended first year transition programs for academic credit) assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students register for the program and get further information by visiting the Orientation Services website at http://orientation.sdes.ucf.edu

Career Services & Experiential Learning (CSEL)
Executive Director, Melanie Parker; SRC 185;
407-823-2361 (Career Services)
407-823-2667 (Experiential Learning)
http://www.csel.ucf.edu
Career Services & Experiential Learning (CSEL) offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career and experiential learning specialists. These comprehensive services are designed to help First Year through Graduate students with all phases of career development and applied learning experiences to include:
- Major and Career Choices
- Academic and Career Information
- Experiential Learning Opportunities (Co-op, Internships, Service Learning)
- Resumes and Cover Letters
- Interviewing Skills
- Job Search Strategies
- Employment Assistance (Career Fairs, On-Campus Recruiting, Job Postings and Resume Referrals)
- Graduate School Information
These programs and services are available through walk-in assistance, scheduled appointments, workshops, and major events.

Counseling Center
Director: Catherine Steel, Ph.D.; SRC 203; 407-823-2811
http://www.counseling.sdes.ucf.edu
The Counseling Center serves UCF enrolled students who seek assistance with developmental and mental-health related concerns and the broader campus community by offering a wide variety of programs in direct support of the university mission. The Center is composed of a professional staff of licensed (or license-eligible) psychologists, mental health counselors and social workers who provide a confidential atmosphere and a safe environment in which students may explore and resolve issues of concern. The Center also provides advanced training and supervision for graduate students in counseling. The Center is open Monday through Friday and operates on an appointment basis. Among the services offered by the Center include:
- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention
- Couples Counseling
- Professional Consultation
- Outreach and Presentations
- Career Assessment and Counseling
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, the 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 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 deferral of tuition and fees. The VA Deferment due date is contained in the “Academic Calendar.” Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment. For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9-11 credit hours for 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 Veterans Services to have their VA educational benefits re-activated.
Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. For students who fail to maintain satisfactory academic progress, benefits will be terminated once the required credit hours of course work for the program of study are completed, regardless of the GPA or eligibility for graduation. Veterans and eligible dependents 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 Kallin; SRC 132; 407-823-2371
http://www.sds.sdes.ucf.edu

22 UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog
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, assistance with coursework, employment, and information and referral to campus and community services for students with disabilities. To be eligible for disability-related accommodations, students must have a documented disability as defined by applicable federal and state laws. Accommodations are available to students whose disabilities include, but are not limited to, attention-deficit hyperactivity disorder, deaf and hard-of-hearing, physical disability and/or health-related impairment, psychological and/or psychiatric disability, specific learning disability (such as dyslexia), speech impairment, visual impairment, or other disabilities requiring administrative or academic accommodations. Students seeking accommodations are required to provide recent documentation from an appropriate health care provider or program.

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 Telecommunication Device for the Deaf (TDD)/Text Telephone (TTY) is available for deaf/hard-of-hearing or speech-impaired persons with TDDs/TTYS to contact Student Disability Services (TDD/TTY calls only phone 407-823-2116).

Administrative Services
Assistant Vice President: Sharon Ekern; MH 282; 407-823-3167
http://www.admin.sdes.ucf.edu

Activity and Service Fee Business Office
Director: David L. Pavlounis; 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 23 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 Programming
Interim Director: Tom Hall; MH 272; 407-823-0879
www.aod.sdes.ucf.edu
The Alcohol and Other Drug Programming Office offers a wide variety of services, including education, prevention, alcohol and other drug assessment/evaluation, short term intervention, counseling, and referrals. This office coordinates with many other campus and community programs to create a healthy environment for students to study, work and play in. We provide programs, activities and support services to encourage individuals and groups to make 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 REACH Health and Peer Education Program (Responsible Education and Action for Campus Health).

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. The 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 is prohibited 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 with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition the University has formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus.

For Alcohol/Drug Policy, visit www.goldenrule.sdes.ucf.edu/14_DrugFree.html.

REACH Health and Peer Education Program
Coordinator: Keri Nola; LS 716; 407-823-5457
http://www.goldenrule.sdes.ucf.edu
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.assess.sdes.ucf.edu
This office provides the Vice President and units of Student Development and Enrollment Services assistance in assessment, research and planning functions. The office also is responsible for the development of division-wide publications.

Campus Life
Associate Vice President: Craig E. Ullom; 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, Affordable 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 spaces. 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. Off-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 of completion of the completed housing application. Applicants should read the housing application carefully before submitting the completed 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.

Housing applications and other housing information are available by contacting the Department of Housing and Residence Life. UCF PO Box 163222, Orlando, Florida, 32816-3222. Phone: 407-823-4663 (UCF-HOME). Fax: 407-823-5031. Web site: www.housing.ucf.edu

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.

**LINK First Year Experience**

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

**Coordinator for Residence Education:** Rebecca Morales

Academic Village, Nike Community Office; 407-882-7005, www.link.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 able to make connections 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 Loot. First-year students can acquire LINK Loot by participating in a LINK program. New Knights receive LINK Loot points by either swiping 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 Loot points to bid on 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 (OCS)**

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

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 Campus Student Services**

**Interim Director, Southern 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 student conduct services 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, activities, on-campus jobs, and help for students with disabilities. In addition, the offices provide programming and assistance to clubs and organizations as well as various standardized test information.

**Student Health Services (SHS)**

**Director:** Robert Faust; SHC; 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 407-823-1081) to purchase the optional health and accident insurance. Please remember 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:** TBA; SU 208; 407-882-0152
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 major 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.

**Greek Affairs**

**Director:** Gregory Mason; SU 208; 407-823-2824; (Greek Council Office, SU 208, 407-823-2072)
http://www.greeklife.sdes.ucf.edu

The Office of Greek Affairs 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, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council, Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Sorority or fraternity life can offer students a “home away from home,” a source of close 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, 41 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 fraternity or sorority 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. National Pan-Hellenic Council (NP-HC) sponsors a Greek Expo, which allows students to become familiar with those groups comprising that governing body. Whether or not an individual chooses to join a fraternity or sorority, Recruitment and Greek Expo 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

**LEAD Scholars Program**

**Director:** Gary Morgan-Muskin; 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 competively 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 is achieved through 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
407-903-8972
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 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
SRC 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; SRC 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 interper...
sonal disputes while promoting individual responsibility. Mediation is a private, voluntary, decision-making process in which one or more impartial persons (mediators) assist people, organizations, and communities in conflict to work toward a variety of goals. This service is available to the University community and is encouraged for those who have been unsuccessful in resolving their differences. Mediation training is conducted several times each semester and is offered at two different levels: 1) a basic introduction to conflict resolution skills and mediation techniques session; and 2) as an advanced mediation techniques session. Mediation services are provided to 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

SRC 154; 407-823-2851

http://www.osi.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.goldenrule.sdes.ucf.edu. Students are urged to take advantage of the many services and educational programs available through the Office of Student Conduct and the Office of Student Rights and Responsibilities.

**Student Legal Services**

*Director:* Patricia MackOw; SRC 155; 407-823-2538

http://www.stulegal.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.osi.sdes.ucf.edu

The Office of Student Involvement provides programs, resources, and services that enhance student life at the University. The office registers more than 250 student organizations (e.g., academic, pre-professional, ethnic minority/international, governance council, Greek social, honorary, military, political/social activism, religious, service, special interest, sports), and advises the Campus Activities Board (CAB) and Volunteer UCF (VUCF). Other programs and services sponsored through this office include the Knights of the Roundtable, Campus Weekend, Weeks of Welcome, and Late Knights.

**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 with 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.
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 should apply several months in advance of an anticipated start 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 for admission or residency affidavit may result in disciplinary action with loss of financial aid, and invalidation of degrees earned. Those enrolled students who have not submitted official completed records by the deadline will be placed on administrative hold. Students with these incomplete records will not be permitted to register for a future term until all official transcripts and other required documentation have been received. If, upon review of final transcripts, student records are not satisfactory, they may be placed on academic probation, have their admission status revoked, or be withdrawn from the University. In addition to the required documentation mentioned above, students must have a satisfactory conduct record at all schools attended.

Reactivation
Students who have submitted an application for admission to UCF as a degree-seeking student and do not attend, may reactivate the original application within one year of the term for which they first applied. To update the application, students should 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 coursework 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>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>Social Science</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>2</td>
</tr>
</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:

<table>
<thead>
<tr>
<th>Category</th>
<th>Index Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>2005-2006 Undergraduate Catalog</td>
</tr>
</tbody>
</table>
Admission:

If the High School GPA is:  
<table>
<thead>
<tr>
<th>HS GPA</th>
<th>Minimum test scores must be:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SAT</td>
</tr>
<tr>
<td>2.0</td>
<td>1140</td>
</tr>
<tr>
<td>2.1</td>
<td>1110</td>
</tr>
<tr>
<td>2.2</td>
<td>1090</td>
</tr>
<tr>
<td>2.3</td>
<td>1060</td>
</tr>
<tr>
<td>2.4</td>
<td>1030</td>
</tr>
<tr>
<td>2.5</td>
<td>1010</td>
</tr>
<tr>
<td>2.6</td>
<td>1000</td>
</tr>
<tr>
<td>2.7</td>
<td>990</td>
</tr>
<tr>
<td>2.8</td>
<td>980</td>
</tr>
<tr>
<td>2.9</td>
<td>970</td>
</tr>
<tr>
<td>3.0</td>
<td>*</td>
</tr>
</tbody>
</table>

* No minimum score required.

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

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

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

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

- A student must have two years of one foreign language in high school or the equivalent (minimum eight 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, and arrange to have official transcripts sent from all colleges attended. The Undergraduate Admissions Office computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded State articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college or Florida public university.

Applicants must have a current minimum GPA of 2.5, 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 entrance requirements, have a high school academic GPA, and minimum SAT or ACT scores; have at least a 2.5 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements does not guarantee admission.

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

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

- At least 60 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 programs; and

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

Students 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). The English and Mathematics requirements of the Gordon Rule; and

A maximum 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 the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office. Students who completed 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 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 financial documents indicating financial support to cover educational and other expenses for the first year of study with the International Services Center. This form and other required documents must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.

**Educational Translations and Evaluations**

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

- **Josef Silny and Associates**, World Education Services
- P.O. Box 248233
- Coral Gables, FL 33124
- (305) 273-1616
- Old Chelsea Station,
- New York, NY 10113-0745,
- (212) 966-8311

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

Each international student on a F-1 or J-1 visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage with the Student Health Center to comply with the State of Florida mandatory health insurance requirement for F-1 and J-1 students. Minimum coverage limits can be obtained from the Student Health Center. Written proof of insurance must also be provided. If the insurance is issued by a foreign carrier or underwriter, a statement must be provided in English to assure that the policy meets the State of Florida minimum levels of insurance coverage. The University reserves the right to refuse registration to any international student on F-1 or J-1 visas who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage, or avoids in any way the responsibility to comply with the insurance requirement.

**Non-Academic Admission Clearances**

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

**Transfer Credit: All Applicants**

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

**Accredited Institutions**

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

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

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 credit 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 financial resources for all students. Once eligibility is determined, the office provides options for financial aid. 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) by mid-February. The processed results of the FAFSA must be received by UCF by March 1st to meet our application priority deadline date.

If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as 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 Polaris.

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.

Specific Eligibility Requirements and Conditions for Receiving Financial Aid

Students must be accepted and classified as degree seeking at UCF in an eligible program;
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. To ensure enrollment in sufficient hours for the various financial aid programs, please refer to the Program Eligibility Charts on the Web site.

- 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 entrance interview for a Federal Stafford Loan if they are a first time borrower at UCF;
- Students must be a U.S. citizen or an eligible non-citizen, (e.g. resident alien). Eligible non-citizens include I-151, I-551, and I-688 cardholders as well as some I-94 classifications;
- Students must have a high school diploma or GED certificate;
- For need based programs, students must show a financial need as computed on the FAFSA;
- A male applicant must be registered with Selective Service, if applicable.

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 Polaris at all times at https://My.ucf.edu;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Stafford Loan, even if it doesn't seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered. Choosing a lender does not obligate the student to accept a loan, but will make it easier if additional funds are needed;
- Respond promptly to all information requests;
- If there are extenuating circumstances or problems at anytime, call the appointment line, 407-823-5265, to meet with a counselor;
- Comprehensive information can be found on the Web site: http://finaid.ucf.edu.

School Costs

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

<table>
<thead>
<tr>
<th>Estimated Cost of Attendance for 2005-2006 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>$3,126.00</td>
<td>$3,126.00</td>
</tr>
<tr>
<td>Books/Supples</td>
<td>$860.00</td>
<td>$860.00</td>
</tr>
<tr>
<td>Room/Board</td>
<td>$4,306.00</td>
<td>$8,246.00</td>
</tr>
<tr>
<td>Personal Exp.</td>
<td>$2,136.00</td>
<td>$2,136.00</td>
</tr>
</tbody>
</table>

| Transportation | $1,540.00 | $1,540.00 |
| Total (In State) | $11,968.00 | $15,908.00 |
| Non resident Tuition/fees | $12,256.00 | $12,256.00 |
| Total (Out of State) | $24,224.00 | $28,164.00 |

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, lack of academic progress, changes needed due to verification, incomplete files, additional resources, etc.

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

Admission to UCF must be finalized with no contingencies. Students must be classified as degree-seeking.

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

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

Deferrals of Tuition and Fees

Financial aid awards will normally result in a deferment of tuition and fee payments. Deferments allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks after the semester begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and 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 Polaris to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change. Deferments based on estimated Stafford loans will be canceled prior to the beginning of the semester if the student has not completed the loan application process. Students must drop classes prior to the end of add/drop in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they are never attended.
Disbursements
Financial aid disbursements begin the second week of each term. Students should be aware of this, so they are prepared to use their personal savings for anticipated expenses such as books and supplies at the beginning of the term. The Short Term Advance is available for students to help with these expenses. It is not available to post-baccalaureate students.

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. (Students on probation must meet standards each term);

- Regulations require that students complete their degree within 150% of the hours required for their specific programs of study as established by the university.

For detailed SAP policy information, please refer to the Office of Student Financial Assistance Web site at: www.finaid.ucf.edu

Procedures to Appeal:
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. To appeal, the student must:

- Complete the Satisfactory Academic Progress Appeal Form;
- 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 or via the student's MyUCF account. For updated status, students may view Financial Aid Status on MyUCF.
Transfer Students

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

Independent Students

You will be classified as independent for financial aid purposes 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 ensure 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 extremenong 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. It is the student's responsibility to review and understand all information and instructions, meet all deadlines, and provide all information and documentation accurately. Errors and omissions can cause delays and prevent students from receiving assistance. Misrepresentation is a violation of the law.

Student Accounts Office

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

Schedule of Fees

A student’s basic expenses at the University will be for registration and course related fees, room and board, textbooks, and miscellaneous items. Required fees are established by the University Board of Trustees and are subject to change without notice. Fees are affected by residency status.

Students are encouraged to obtain a “Fee Invoice” to confirm fees and course registration. Fee Invoices are not mailed. Fee Invoices are available online through https://My.UCF.edu and kiosks, and from the student’s college advising offices. Students must obtain a new “Fee Invoice” after making any course changes or schedule adjustments.

All University fees must be paid according to published dates. 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. The following schedule applies to all UCF students:

Registration Fees per semester or term are shown for main campus, area centers, and continuing education courses. 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.

Late Registration Fee

Students who enroll following the close of Add/Drop for the term or who enroll for the first time that term during Late Registration and Add/Drop will be assessed a Late Registration Fee of $100.00.

Pay Now or Pay More Late Payment Fee:

A $100 Late Payment Fee applies to students who do not pay their fees or who do not pay their fees (or obtain a fee deferment) by the payment deadline.

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."

Late Registration Fee and Late Payment Fee Appeals

Students who desire to appeal a Late Registration, and/or Late Payment, may make their appeal to the Fee Appeals Committee by initiating a student petition (Form 41-561). This form can be obtained online at www.finacctg.ucf.edu/Student Accounts forms or from the
Financial Information

Student Accounts Section of Finance and Accounting. Students must submit their petitions to Student Accounts (MH 107) and may appear before the Committee (not mandatory).

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 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.

Acceptable Forms of Payment
Acceptable forms of payment are cash, cashier’s checks, money orders and credit cards. Credit card payments or at the Cashier’s Office (MH 109). A mandatory, nonrefundable $10 convenience fee will be charged each time a student chooses to pay tuition or other state mandated fees online with a credit card.

Payment Procedures
Payment must be received or postmarked no later than the fee payment deadlines specified. Payment may be made at the Cashier’s Office (MH 109). Operating Hours are Monday and Thursday from 8:30 a.m. to 7:00 p.m. and Tuesday, Wednesday and Friday from 8:30 a.m. to 4:00 p.m. Students may submit payment after Cashier’s Office operating hours at the Cashier’s night depository (located at the pond entrance of Millican Hall) or through the enrollment screen “ePay” option on Polaris at https://My.ucf.edu. Payments (no cash) placed in the night depository by the official fee payment deadline will be considered “on time.” Students may also submit payment by mail. Mailed payments must be postmarked no later than the payment deadline. Please include the student’s PID on checks or money orders.

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.

Do not send cash. Address payments to:
University of Central Florida
P.O. Box 918449
Orlando, FL 32891-8449

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

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 circumstances allow a full refund: 1) when 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 to a course offered by the University for any reason.

Partial Refund (25%)
A 25% refund is made when the student withdraws 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.

Repayment of Title IV Financial Aid
Any student receiving Title IV Federal Financial Aid who completely withdraws from the University before 60% of the term has elapsed may be required to repay a pro-rated portion of the aid received.

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 registration fees. State Employee registration occurs on the last day of Registration for each term, at the time specified on the Academic Calendar (http://www.ucf.edu/toplinks/academic_calendar.htm) for each term. Should the Employees register
for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the Employee will be liable for all applicable fees. It is the responsibility of the employee to register on a space-available basis only. The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, and educational leave. Any State Employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver form to the UCF Student Accounts Office (MH 107) by each term’s Fee Payment Deadline. See the Academic Calendar (http://www.ucf.edu/toplinks/academic_calendar.htm) for each term for the Fee Payment deadlines. Employees may obtain the "State Employee Waiver Form and Instructions" from the Registrar's Office web-site at http://registrar.ucf.edu.

UCF Employee Tuition Policy

All full-time general Faculty, Administrative and Professional (A&P), and University Support Personnel System (USPS) employees of the University of Central Florida who are employed in an established position on the date fees are due and who meet academic requirements, including those employees on sabbatical, professional development, grants-in-aid, and educational leave, may be allowed to enroll for up to six credit hours of eligible instruction per term on a space-available basis without payment of the registration fee. UCF Employee registration occurs on the last day of Registration for each term, at the time specified on the Academic Calendar (http://www.ucf.edu/toplinks/academic_calendar.htm) for each term. Should the UCF Employee 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 Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Office (MH 107) by each term’s Fee Payment Deadline. See the Academic Calendar (http://www.ucf.edu/toplinks/academic_calendar.htm) for each term for the Fee Payment deadlines. Prior to enrolling into courses each term, enter the Human Resources web site at http://www.hr.ucf.edu/ for eligibility requirements, course restrictions and for the waiver application form.

Tuition Fees for Senior Citizens

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

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 tuition & 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 fee payment deadline.

The plan will pay $76.32 per credit hour (graduate or undergraduate level) for the 2004-2005 academic year. The plan does not cover local fees of $23.08 per credit hour, health fee, material/supply fees or the UCF ID Service and Access fee. Students with the local fee plan, which is indicated on your Florida Prepaid Tuition Plan card, will cover $95.50 per credit hour and health fee. For further details on the Florida Prepaid Tuition Plan please visit our website http://www.finacctg.ucf.edu and click on Student Accounts, Forms & Instructions, and then Florida Prepaid Tuition Plan Procedures. Note: the tuition rates had not been established at the time of printing.

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 residency 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, parolée, 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 residency 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 declaration was sworn and subscribed to.)
   b. Proof of purchase of a home in Florida in which the student resides;
   c. Proof that the student has maintained residence in the state for the preceding year (e.g., rent receipts, employment records).

2. Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered as conclusive evidence of domicile:
   a. Declaration of Domicile;
   b. Florida voter registration;
   c. Florida vehicle registration;
   d. Florida driver license;
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts);
   f. Verification of permanent employment in Florida by the employer, employment records, or other employment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to the first day of classes of the term for which the student requests Florida residency;
   g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;
   h. Proof of continuous presence in Florida during periods when not enrolled as a student;
   i. Proof of former domicile in Florida and maintenance of significant connections while absent;
   j. Proof of reliance upon Florida sources of support;
   k. Proof of domicile in Florida of family;
   l. Proof of admission to a licensed practicing profession in Florida;
   m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and
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 407-823-3100 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 bona fide domicile rather than serving the purpose of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education. Evidence establishing legal ties to states other than Florida may disqualify the student from Florida residency for tuition purposes. All determinative documents must be dated at least 12 months before the first day of class for the term in which residency is sought.

Students entering the second term of enrollment at UCF or later who believe that they qualify for Florida residency must submit the “Residency Reclassification 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 four 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, IB 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 order priority:
   a. Academic Services for Student-Athletes (ASSA) - for student athletes (WDS 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 221)
   d. First Year Advising and Exploration (FYAE) - for students not covered by any of the previous categories (PH 116)

Through these offices students can access general education advising, the academic exploration program for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year experience. For more information about the first year advising offices and their services, please see the "Student Development and Enrollment Services" chapter of this Undergraduate Catalog.

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

The Burnett Honors College
New students will:
Attend the UCF Orientation designated for The Burnett Honors College. At this time students will meet with 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.

The Burnett College of Biomedical Sciences
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.

Continuing students will:
1. See their faculty advisor 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 Department of Molecular Biology and Microbiology (HPA2 335) 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;
3. View a SASS Degree Audit, the registration time, and search for classes (once the class schedule is available) through MyUCF;
4. Register at the scheduled appointment time. Complete all schedule changes by the end of the published add/drop period; and,
5. File an "Intent to Graduate Form" in the Department of Molecular Biology and Microbiology by the end of the term prior to the term in which graduation will occur.

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 advisement deals primarily with application and admission procedures. Admission to a health professional school is highly competitive. Pre-health professions students are expected to be high achievers, and to obtain good grades with heavy loads and rigorous course combinations. Most professional schools expect applicants to present at least a "B" average and to carry a minimum of 15 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 fall 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 2333 (prefer MAC 2311, 2312)
Statistics                           PHY 2053C, 2054C (prefer PHY 2048, 2048L, 2049, 2049L)
Physics                              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 Sciences**

Although students may have several advisors for various reasons, majors within the College of Arts and 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 Arts and 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 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 Polaris Class Schedule Search is also available online at https://My.ucf.edu each semester, and a SASS Degree Audit is available on Polaris. Questions about the degree audit should be directed to OASIS unless specific to the major requirements;
3. Continue to register for classes through Polaris. 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; BA2 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 Polaris. Check Polaris or the TV monitors for registration dates each term;
3. Register at your scheduled appointment time. Register in Polaris 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
Continuing students will:

1. Be advised in the College of Engineering and Computer Science Academic Affairs Office by the withdrawal deadline of the term prior to the term in which graduation is intended.
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. 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. 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,
3. Be advised in the Engineering and Computer Science Academic Affairs Office (ENGR 107) if Engineering Pending majors. Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

Continuing students will:

1. See the department of their major during the first week 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 the faculty 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 and selection of program courses. The faculty advisor’s name and phone number appear on the SASS Degree Audit for the graduating term.
4. View a SASS Degree Audit through Polaris; and,
5. Register at the scheduled appointment time in Polaris, or in person in the Engineering and Computer Science Academic Affairs Office. Complete all schedule changes by the end of the published Add/Drop period;
6. Submit a written schedule plan signed by their faculty 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:

1. 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.
2. See an advisor in the College of Health and Public Affairs (COHFA) 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 Polaris; and,
4. File an "Intent to Graduate Form" in the COHFA 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:

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 Polaris.

Continuing students should:

1. See their faculty advisor if accepted in a major, during the first few months of each semester to review academic 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 Polaris 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.

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 102
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 102. 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 transitioning students who are undeclared 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. 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 cours-
es. 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 required, you can not be 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 under-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; these requirements may be satisfied by college-level course work or testing equivalent to two semesters of college instruction. Some majors require additional proficiency; some departments accept American Sign Language to meet the proficiency. Consult the UCF Undergraduate Catalog for graduation requirements for specific majors. High school courses will not satisfy graduation foreign language requirements. International students required to provide TOEFL scores for admission are considered to have satisfied the graduation requirement.

How Will My Credits Transfer?
All college level credits earned for which official transcripts have been submitted will be compiled into a Transfer Summary Report (TSR), which is available online. The TSR is the basis for constructing a 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 Polaris (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 Polaris. 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 916449

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.
### Transfer Checklist

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Before Completing the A.A.</strong></td>
<td></td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>meet with counselor or advisor for graduation check</td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>complete application for graduation</td>
</tr>
<tr>
<td><strong>Application for Admission</strong></td>
<td></td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date submitted</td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date admission status checked at <a href="https://My.UCF.edu">https://My.UCF.edu</a></td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date of acceptance</td>
</tr>
<tr>
<td><strong>Transcripts (original transcript from all institutions attended)</strong></td>
<td></td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date transcripts sent from all current and prior institutions</td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date final transcript sent after term completed</td>
</tr>
<tr>
<td><strong>Financial Aid/Scholarship</strong></td>
<td></td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date financial aid application (FAFSA) sent</td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date financial aid notification received from UCF</td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date of SCHOLARSHIP application mailed or transfer notice sent to appropriate office</td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date of SCHOLARSHIP application response</td>
</tr>
<tr>
<td><strong>Housing</strong></td>
<td></td>
</tr>
<tr>
<td>___on-campus ___off-campus</td>
<td></td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date application sent (include deposit when required)</td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date accepted</td>
</tr>
<tr>
<td><strong>Immunization</strong></td>
<td></td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>date student health form submitted</td>
</tr>
<tr>
<td>Y__ N__</td>
<td>need immunizations</td>
</tr>
<tr>
<td><strong>Foreign Language Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>Y__ N__</td>
<td>2 years/units earned in high school</td>
</tr>
<tr>
<td>Y__ N__</td>
<td>8-10 credits earned at the college level</td>
</tr>
<tr>
<td>Y__ N__</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>
<tr>
<td><strong>Note</strong></td>
<td></td>
</tr>
<tr>
<td>Note: Although American Sign Language may be used to satisfy the UCF admission requirement, it <strong>may not</strong> satisfy graduation requirements of the specific major.</td>
<td></td>
</tr>
<tr>
<td><strong>Program (Major) Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>Y__ N__</td>
<td>limited access application</td>
</tr>
<tr>
<td>Y__ N__</td>
<td>completed prerequisites</td>
</tr>
<tr>
<td>Y__ N__</td>
<td>met grade point average (GPA) requirements,</td>
</tr>
<tr>
<td>Y__ N__</td>
<td>met minimum cumulative GPA for admission to program of study</td>
</tr>
<tr>
<td>Y__ N__</td>
<td>met cumulative GPA in courses taken for program of study</td>
</tr>
<tr>
<td>Y__ N__</td>
<td>met grade requirements for designated courses</td>
</tr>
<tr>
<td>Y__ N__</td>
<td>audition, portfolio, additional admission requirements met</td>
</tr>
<tr>
<td>Y__ N__</td>
<td>CLASTexam or alternatives</td>
</tr>
<tr>
<td><strong>Orientation:</strong></td>
<td></td>
</tr>
<tr>
<td><em><strong>/</strong></em></td>
<td>orientation date at UCF</td>
</tr>
</tbody>
</table>
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, 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 an 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 proper technique and/or technology.
- Be able to solve real-world quantitative problems.
- Demonstrate qualitative understanding of mathematical, statistical, and computing concepts.
- Demonstrate knowledge and understanding of essential computing concepts common to academic degrees and their related professions.
- Demonstrate essential computing skills common to academic degrees and their related professions. In particular, skills relating to professional use of computers and application software.

Social Foundation

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

A. Communication Foundation .................................................9 hours

- ENC 1101 English Composition I 1, 2 ..........................(3.0)
- ENC 1102 English Composition II PR: ENC 1101 1, 2 .........(3.0)
- SPC 1600C Fundamentals of Oral Communication or .........(3.0)
- SPC 1016 Fundamentals of Technical Presentation ............(3.0)
- COM 1000 Communications ..............................................(3.0)

B. Cultural and Historical Foundation ....................................9 hours

Three courses are required, with at least one from each of the following two groups:

GROUP 1 Take at least one of the following two-semester sequences:* (minimum of 3 hours)

- EUH 2000 Western Civilization I and ................................(3.0)
- EUH 2001 Western Civilization II or ..................................(3.0)
- HUM 2211 Humanistic Tradition I and ..............................(3.0)
- HUM 2230 Humanistic Tradition II or ...............................(3.0)
- AMH 2010 U.S. History: 1492-1877* and .........................(3.0)
- AMH 2020 U.S. History: 1877-present* or .......................(3.0)
- WOH 2012 World Civilization I and .................................(3.0)
- WOH 2022 World Civilization II .......................................(3.0)

GROUP 2 Take at least one of the following. ..................(3 hours)

- ARH 2050 The History of Art I ...........................................(3.0)
- ARH 2051 The History of Art II .........................................(3.0)
- MUL 2010 Enjoyment of Music ...........................................(3.0)
- THE 2000 Theatre Survey ..................................................(3.0)
- FIL 1001 Cinema Survey ...................................................(3.0)
- REL 2300 World Religions ..................................................(3.0)
- PHI 2010 Introduction to Philosophy .................................(3.0)
- LIT 2110 World Literature I PR: ENC 1102 2 ......................(3.0)
- LIT 2120 World Literature II PR: ENC 1102 2 ......................(3.0)

C. Mathematical Foundation ....................................................6 hours

Take one course from each group.

GROUP 1 MAC 1105 College Algebra 2 .................................(3.0)
- MG 1106 Finite Mathematics ..............................................(3.0)

GROUP 2

- CGS 1060C Introduction to Computer Science 2 ..........(3.0)
- STA 1060C Basic Statistics using Microsoft Excel 2 ............(3.0)
- STA 2014C Principles of Statistics .................................(3.0)

D. Social Foundation ..............................................................6 hours

Take one course from each group.

GROUP 1

- ECO 2013 Principles of Macroeconomics .........................(3.0)
- ECO 2023 Principles of Economics II .........................(3.0)
- MAC 1105 College Algebra 2 .................................(3.0)

GROUP 2

- PSY 2012 General Psychology ...........................................(3.0)
- SYG 2000 General Sociology ............................................(3.0)
- HUM 2211 Humanistic Tradition I and ..............................(3.0)

E. Science Foundation ............................................................6 hours

Take one course from each group.

GROUP 1

- AST 2002 Astronomy .........................................................(3.0)
- PSC 1121* Physical Science PR: MAC 1105 or MGF 1106/3(0)
- PHY 2053C College Physics I: MAC 1105 and MAC 1114 4(3.3)
- CHM 1020 Concepts in Chemistry .................................(3.0)

GROUP 2

- BSC 1055* Biological Principles ......................................(3.0)
- BSC 1050* Biology and Environment .................................(3.0)
- GLY 1030 Geology & Its Applications ...............................(3.0)
- GEO 1200* Physical Geography ........................................(3.0)
- ANT 2511 The Human Species ...........................................(3.0)
- MCB 1310 Biotechnology and Genetics .........................(3.0)

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

1A grade of “C-” (1.75) or better is required in this course.

2A grade of “C-” (1.75) or better satisfies three hours of the Gordon Rule requirement.

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

Substitution of Courses: General Education Program and Other Requirements

The Student 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. Substitution requests for college or major requirements are processed within those administrative offices.

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

GEP Requirements Acceptable Substitutions

- MAC 1105 (College Algebra) MAC 1114, MAC 2233, MAC 2253, MAC 2254, MAC 2311, MAC 2312, MAC 2313
- ECO 2013 (Macroeconomics) Any higher level ECO course with which has ECO 2013 as a prerequisite ECO 2023 (Microeconomics)
- PHY 2053C (Physics) PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 5015C
- CHM 2020 (Chemistry) CHM 2045C, CHM 3022, CHS 1440
- BSC 1005 or BSC 1050 (Biology) BSC 2010C
- GEO 1200 (Geography) GEO 2370
- CGS 1060C (Intro to Computer) CGS 2100C, COP 2200, COP 2500C, COP 3020C, COP 3300C
- STA 2014C (Statistics) STA 2023, STA 3023
- THE 2000 (Theatre) THE 2020
- FIL 1001 (Cinema Survey) FIL 2400, FIL 3401, FIL 3402
- MUL 2010 (Enjoyment of Music) MUL 4212

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 bachelors 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 dive-
sity 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:

- ENC 1102 Composition II
- SPC 1600C Fundamentals of Oral Communication
- SYG 2000 General Sociology
- ANT 2000 General Anthropology
- POS 2041 American National Government
- PSY 2012 General Psychology
Undergraduate Degree Requirements

WOH 2022  World Civilization II
LIT 2120  World Literature II

Other Courses:
- ANH 3421  History of Florida to 1845
- ANH 3423  Florida History 1845-Present
- ANH 3562  Women in American History II
- AML 3283  Contemporary American Women's Fiction
- AML 3615  Harlem, Haiti, and Havana
- ANT 3245  Native American Religions
- ASH 4304  Women China
- CJC 4463  Cultural Diversity in Criminal Justice
- CJC 4670  Women and Crime
- CJE 4174  Comparative Justice Systems
- COM 4014  Gender Issues in Communication
- COM 4461  Intercultural Communication
- COP 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
- MCC 4300  International Media
- NUR 3809  Transitional Concepts in Nursing I
- NUR 3617  Promoting Healthy Communities
- NUR 3016  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 3267  Cultural Pluralism and Law
- POS 4323  Women and Politics
- POS 4622  Politics and Civil Rights
- PUB 3314  Minority Politics
- SOW 3420  Social Work with Minorities
- SPW 4772  Black Presence in Contemporary Latin America
- SYD 3800  Sex Roles in Modern Society
- SYF 4323  Social Systems and Diversity
- SYF 4734  Minority Aging
- SYF 4223  Social Systems and Diversity
- THE 2330  Commonality within Cultural Diversity Experienced through Theater
- 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 other for which the University can obtain standardized proficiency examinations. Native speakers or students who have received advanced education abroad must substitute select classes.

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.
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 periodically each semester. Students must register in advance with that office to take the examination (SRC 203).
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 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 24,000 words of composition in four courses (12 semester hours) 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. 12 hours of course work in which the student must complete 24,000 words of composition

**GEP Courses Which Satisfy:**
- 1. College algebra or finite math
- 2. Statistics or computer science

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

Specific upper level courses also may be used to meet the Gordon Rule composition requirement. Each of the courses listed below fulfill 6,000 words of the composition portion of the requirement.

- ADV 4101  Adv Copy and Campaigns
- CRW 3013  Introduction to Creative Writing
- ENC 3211  Theory and Practice of Technical Writing
- ENC 3241  Writing for the Technical Professional
- ENC 3250  Professional Writing
- ENC 3311  Advanced Expository Writing
- ENG 3014  Theories and Techniques of Literary Study
- JOU 3100  News Reporting
- JOU 4302  Editorial/Column Writing
- JOU 4310  Freelance Writing
- JOU 4300  Feature Writing
- JOU 4104  Public Affairs Reporting

UCF 47
Undergraduate Degree Requirements

- JOU 4306 Critical Writing
- PUR 4800 Public Relations Campaigns
- RTV 3501 Broadcast Copywriting
- RTV 3300 Broadcast Newswriting
- RTV 4402 Broadcast Criticism
- THE 4072 Principles of Motion Picture Art

Each of the courses listed below fulfill 3,000 words of the composition portion of the “Gordon Rule” Requirement.

- 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 4140 Jeffersonian America
- AMH 3540 Military History
- AMH 3560 Women in American History
- AMH 3571 Black American History
- AMH 3800 Canadian History
- AMH 4110 Colonial America, 1607-1763
- AMH 4130 The Age of the American Revolution, 1763-1789
- AMH 4170 Civil War and Reconstruction
- AMH 4160 Jacksonian America
- AMH 4201 Robber Baron Era
- AMH 4231 United States History: 1914-1945
- AMH 4270 United States History: 1945-Present
- AMH 4311 American Culture I
- AMH 4313 American Culture II
- AMH 4510 Rise of the US to World Power, 1776-1914
- AMH 4511 US as a Great Power: 1914-Present
- AML 3031 American Literature I
- AML 3051 American Literature II
- ANT 3145 Archæ of Complex Soc
- ANT 3162 Archæ of Mid. and S.Am
- ANT 3163 Mesoam Arch
- ANT 3168 Maya Arch
- ANT 3930 Seminar in Arch Meth
- ARH 4350 Baroque Art
- ARH 4430 19th Century Art
- ARH 4546 Art After 1945
- ARH 4450 20th Century Art
- ARH 4655 Meso American Art
- ASH 3300 Survey of East Asia
- ASH 4404 China in 19th and 20th Centuries
- ASH 4442 Modern Japan, 19th and 20th Centuries
- CRW 3930 Creative Writing for Non Majors
- ENL 2012 English Literature I
- ENL 2021 English Literature II
- EUH 3121 Medieval Society and Civilization
- EUH 3144 Renaissance and Reformation
- EUH 3235 Romanticism and Realism
- EUH 3242 Modern Europe of the First World War
- EUH 3281 Second World War and Rebirth of Europe
- EUH 3411 Ancient Rome
- EUH 3651 War and Society
- EUH 4284 Fascism and the Totalitarian Dictatorships
- EUH 3451 History of Modern France
- EUH 4461 Rise of Modern Germany
- EUH 4485 Hitler’s Third Reich
- EUH 4500 English Literature 1845
- EUH 4501 English Literature: 1845-1815
- EUH 4502 British History: 1815-Present
- EUH 4530 British Empire and Commonwealth
- 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
- EUH 4621 War and International Politics in Europe 1914-Present
- HIS 4150 History and Historians
- HIM 4676 Professional Development & Issues in HIM
- HSA 4502 Risk Management Systems
- HUM 3431 Ancient Humanities
- JOU 4300 Feature Writing
- JOU 4181 Public Affairs Reporting
- JOU 4306C Critical 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
- LIT 2110 World Literature I
- LIT 2120 World Literature II
- NUR 3165 Critical Inquiry
- NUR 3809 Transitional Concepts in Nursing I
- PAD 4034 Administration of Public Policy
- PAD 4720 Survey Research in Public Admin
- PHH 3100 Ancient Philosophy
- PHI 2630 Ethics
- PHI 3800 Aesthetics
- PHI 3803 Philosophy and Creativity
- PLA 3155 Legal Writing
- PLA 4935 Capstone: Legal Issues
- RTV 4403 Electronic Media, Technology and Society
- SOW 3104 Assessing I: Human Development
- SOW 4232 Social Welfare Policies and Issues
- SOW 4341 Micro Level Roles & Interventions in SW
- SYP 3400 Social Change
- TFA 4940 Technical Theatre/Design Internship
- TPP 4940 Theatre Performance Internship

College Level Academic Skills Test (CLAST)

The College Level Academic Skills Test (CLAST) is designed to ensure that students have achieved communication and computation skills commensurate with successful completion of the lower-division course work. 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 teaching certification may 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 be 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 hours of credit 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 107).

CLAST is offered statewide once per term. Students must register in advance at the Student Academic Resource Center (PH 115) or at the Registrar’s Office (MH 161). Additionally, students may take the CLAST in English Language Skills, Reading, and/or Mathematics subtests on computer at the Counseling and Testing Center/Test Office, SRC 212. 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); 407-823-5130. Academic advising offices can answer questions students may have.

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 sub-test of the CLAST due to a disability may request that a sub-test of the CLAST 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 Academic Support and Advising Programs (PH 107) to complete a petition to waive a CLAST sub-test. 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://fyt.sdes.ucf.edu.

Summer Attendance Requirement

A student entering the State University System with fewer than 60 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 at any time of 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.nedc.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.
Academic Regulations and Procedures

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

Registration is available over the web using the Polaris 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.

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 semester hours. A semester hour of credit or credit hour represents one class hour of work (or two or more laboratory hours of work) per week for a semester. Classes may be offered for a six-week or nine-week session during the Summer term. During this shortened term, two class hours of work (or four or more laboratory hours of work) per week are required to represent a semester hour of credit.

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

Note: Graduate and post-baccalaureate students please refer to the 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 overriders. Overrides are processed at the college advising offices.

Excess Hours
All students should make every effort to enroll in and complete only one of those courses that are required for their major. Although educationally beneficial, selected courses, minors, (unless required for a specific major) and additional majors or degrees may require students to take excess hours. Excess hours may require students to pay an additional surcharge/fees or negatively impact eligibility for certain financial aid 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 Polaris 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 Polaris 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 “2003-2004 Tuition and Fees 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 or 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.ucf.edu/info. 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. 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. 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. STEP students must present a “Certification” letter to the Student Accounts Office (MH 107) to receive waiver of eligible fees. Registration before the time specified in the “Academic Calendar” online at http://www.ucf.edu/info will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

State University System (SUS) Florida Transient Students
An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and 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.ucf.edu/toplinks. Students should visit the Registrar’s Office website at http://registrar.ucf.edu or contact the Registrar’s Office for registration information at 407-823-3100.
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 grade 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; 407-823-5652) within six months of the end of the term for which the Late Drop is sought.

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

Withdrawal and Academic Behavior Violations

Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the student and 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>Grades</th>
<th>Grade Points Per Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.60</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.75</td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>NC - No Credit</td>
<td>*</td>
</tr>
</tbody>
</table>

* Available only in CHM 1032, CHM 2045, 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 214.

Other Actions

<table>
<thead>
<tr>
<th>Grade Points</th>
<th>Other Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Incomplete</td>
</tr>
</tbody>
</table>

Academic Regulations and Procedures
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 earned that term 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Hours</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course #1</td>
<td>B+</td>
<td>3</td>
<td>3.25</td>
</tr>
<tr>
<td>Course #2</td>
<td>A-</td>
<td>3</td>
<td>3.75</td>
</tr>
<tr>
<td>Course #3</td>
<td>A</td>
<td>4</td>
<td>4.00</td>
</tr>
</tbody>
</table>

\[ \text{Total Grade Points} = 3 \times 3.25 + 3 \times 3.75 + 4 \times 4.00 = 52 \]

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

\[ \text{Term GPA} = \frac{52}{13} = 4.00 \]

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 \[\frac{162 + 40}{54 + 13} = 3.00\]. Including this term of coursework, the cumulative grade point average would be \[\frac{162 + 46}{54 + 13} = 3.00\].

The designation of "N" will be assigned temporarily by the Registrar’s Office. Unresolved "I" grades in courses graded with "S" or "U" will be converted to "U."
President’s Honor Roll Certificate (Part-Time Award)

The President’s Honor Roll Certificate (Part-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 3.4 GPA in two consecutive part-time terms. The student must complete at least 12 hours, earn no grade less than “C” (2.0) and no “I,” “U,” “N,” “NC” or “WF” grades during a term. Contact the Registrar’s Office (MH 161 or registrar@mail.ucf.edu) if all criteria are met and President’s Honor Roll Certificate was not awarded.

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. Contact the Registrar’s Office (MH 161 or registrar@mail.ucf.edu) if all criteria are met and Dean’s List was not awarded.

Baccalaureate Honors

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

1. Attain an overall grade point average that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attain a minimum 3.2 overall grade point average; and,
3. Honors awarded will be:
   - Summa Cum Laude for those students in the upper 2.5 percent;
   - Magna Cum Laude for those students in the upper five percent, but not in the upper 2.5 percent;
   - Cum Laude for those students in the upper 10 percent, but not in the upper five percent.

Record 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.

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
Academic Regulations and Procedures

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 disqualification). In addition, no academic records can be altered after a student graduates;

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

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

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 Polaris 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 are 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

Students disqualified or excluded while a freshman or sophomore who subsequently receive an A.A. or a specific statewide articulated A.S. degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida public community college may be readmitted to the University with credit earned in accordance with standard University policies. Students who attend other colleges or universities following disqualification will be classified as transfer students and their readmission will be based on their total educational record.

Readmission

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

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

2) the student has been academically suspended from UCF;

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

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

The application deadline for readmission is as follows: for Summer, April 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 or minus grades will transfer for course work earned Fall 2001 and after using UCF’s grade point system.

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

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. 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/hers designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University shall be denied admission or readmission, or other academic and/or disciplinary action up to and including expulsion.

Appeal

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

Admissions and Standards Committee

The Admissions and Standards Committee is a reporting committee of the Faculty Senate. Its membership includes faculty and non-faculty representatives of the Faculty Senate, several academic colleges, the Division of Student Development and Enrollment Services, and Student Government Association. The Admissions and Standards Committee meets regularly to consider appeals from: 1) persons denied admission; 2) students denied readmission; 3) students requesting to continue in school, but who have failed to meet CLAST requirements; and 4) student appeals of University academic actions, policies or standards.

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 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.”

Right of Appeal

A student who is ineligible for readmission or has been denied readmission may appeal for 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 scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order: a. A completed "Application for Readmission as an Exception to University Policy Form"; b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms; c. Any supporting documentation as directed by the college, school or other University personnel; d. Any additional supporting documentation (optional); and,
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 students’ responsibility to make appropriate changes to the address as they occur. Address and e-mail changes can be made on Polaris (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 by fax to 407-648-5022. Written requests must be signed and the student identification number provided.

Transcript Requests

Requests for official transcripts are made through the Registrar’s Office (in person, by mail, or by fax). “Transcript Request Forms” are also available on the Registrar’s Office 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 by cash, check or money order (made payable to UCF), credit card, or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered). Cash payments can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is only available at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail 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 Polaris at https://My.ucf.edu.

Third Attempt Course Repeat Surcharges

All students enrolled in undergraduate courses for the Fall 1999 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 Changes

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 "Undecided" major also must adopt the most current catalog. For each of these students, the University automatically will update the catalog year when processing the change in major. Students may retain their catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a "Pending" category to the equivalent major (e.g., "Pending History") 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 the University with an "Undeclared" or "Undecided" major category may retain their catalog when initially selecting a major. The "Undergraduate Major Change Form" is available at the college and school advising offices of the Registrar’s Office 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 are strongly urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the certificate and major/minor) 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 of 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 certified at any time during the student’s undergraduate career. Some certificates may restrict awarding the certificate to time of degree completion. The undergraduate Certificate is awarded upon completion of the certificate requirements as determined by college for each specific certificate. The Undergraduate Certification form is available at the college 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 a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and the student’s right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;

3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, 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 responsibilities; 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
- enrollment status
- degrees and awards received
- participation in officially registered activities and sports
- athletes' height and weight.

All other student information will be released in accordance with FERPA; in most cases this requires the student's prior written and signed consent. The University extends to students the opportunity to withhold any or all information, including "directory information." To do this, students must complete the "Directory Disclosure/Release Authorization" form available at the Registrar's Office (MH 161) or online at http://registrar.ucf.edu, requesting that this information be
## ADVANCED PLACEMENT EXAMS

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3 GEP Usage</th>
<th>Score of 4 GEP Usage</th>
<th>Score of 5 GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>ARH 1000</td>
<td>ARH 2050 and 2051</td>
<td>Same as 4 CUL &amp; HIS</td>
</tr>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L SCI Found 2</td>
<td>Same as 3 BSC 2010C and BSC 2011C</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>MAC 2311 MAT Found 1</td>
<td>Same as 3 MAT Found 1</td>
<td>Same as 3 MAT Found 2</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>MAC 2311 MAT Found 1</td>
<td>Same as 3 MAT Found 1</td>
<td>Same as 3 MAT Found 2</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 &amp; 1020L SCI Found 1</td>
<td>Same as 3 SCI Found 1</td>
<td>CHM 2045C and CHM 2045L SCI Found 1</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>CGS 1075 MAT Found 2</td>
<td>Same as 3 MAT Found 2</td>
<td>Same as 3 MAT Found 2</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>CGS 1076 MAT Found 2</td>
<td>Same as 3 MAT Found 2</td>
<td>Same as 3 MAT Found 2</td>
</tr>
<tr>
<td>Economics: Micro</td>
<td>ECO 2023 SOC Found 1</td>
<td>Same as 3 SOC Found 1</td>
<td>Same as 3 SOC Found 1</td>
</tr>
<tr>
<td>Economics: Micro</td>
<td>ECO 2023 SOC Found 1</td>
<td>Same as 3 SOC Found 1</td>
<td>Same as 3 SOC Found 1</td>
</tr>
<tr>
<td>English Language and Composition</td>
<td>ENC 1101 COM Found 1 ENC 1101 and ENC 1102</td>
<td>Same as 4 COM Found 1 &amp; 2 COM Found 1 &amp; 2</td>
<td></td>
</tr>
<tr>
<td>English Literature and Composition</td>
<td>ENC 1101 COM Found 1 ENC 1101 and ENC 1102</td>
<td>Same as 4 COM Found 1 &amp; 2 COM Found 1 &amp; 2</td>
<td></td>
</tr>
<tr>
<td>Environmental Science</td>
<td>ISC 1051 SCI Found 2</td>
<td>Same as 3 SCI Found 1</td>
<td>Same as 3 SCI Found 2</td>
</tr>
<tr>
<td>European History</td>
<td>EUH 1009</td>
<td>ELUH 2000 and 2001</td>
<td>Same as 4 CUL &amp; HIS</td>
</tr>
<tr>
<td>Government and Politics: Comparative</td>
<td>CPO 1002</td>
<td>Same as 3 Same as 3</td>
<td>Same as 4 CUL &amp; HIS</td>
</tr>
<tr>
<td>Government and Politics: United States</td>
<td>POS 2041 SCI Found 1</td>
<td>Same as 3 SCI Found 1</td>
<td>Same as 3 SCI Found 1</td>
</tr>
<tr>
<td>Human Geography</td>
<td>GEO 1400</td>
<td>Same as 3 SCI Found 2</td>
<td>Same as 3 SCI Found 2</td>
</tr>
<tr>
<td>Music Theory</td>
<td>PHY 2035C SCI Found 1</td>
<td>Same as 3 PHY 2045C</td>
<td>Same as 3 SCI Found 1</td>
</tr>
<tr>
<td>Physics C: Electricity / Magnetism</td>
<td>PHY 2045C</td>
<td>SCI Found 1 PHY 2045C</td>
<td>Same as 4 SCI Found 1</td>
</tr>
<tr>
<td>Physics C: Mechanics</td>
<td>PHY 2053C SCI Found 1</td>
<td>Same as 3 PHY 2045C</td>
<td>Same as 4 SCI Found 1</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>SOC Found 2 SCI Found 2</td>
<td>Same as 3 SCI Found 2</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>SOC Found 2 SCI Found 2</td>
<td>Same as 3 SCI Found 2</td>
</tr>
<tr>
<td>Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2 SCI Found 2</td>
<td>Same as 3 SCI Found 2</td>
</tr>
<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>No direct equivalent</td>
<td>Same as 3 SCI Found 2</td>
<td>Same as 3 SCI Found 2</td>
</tr>
<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>No direct equivalent</td>
<td>Same as 3 SCI Found 2</td>
<td>Same as 3 SCI Found 2</td>
</tr>
<tr>
<td>Studio Art: 3-D Design Portfolio</td>
<td>No direct equivalent</td>
<td>Same as 3 SCI Found 2</td>
<td>Same as 3 SCI Found 2</td>
</tr>
<tr>
<td>United States History</td>
<td>AMH 1000</td>
<td>AMH 2010 and 2020</td>
<td>Same as 4 CUL &amp; HIS</td>
</tr>
<tr>
<td>World History</td>
<td>WOH 2022</td>
<td>CUL &amp; HIS Found 1</td>
<td>Same as 3 CUL &amp; HIS</td>
</tr>
</tbody>
</table>

## 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>
<th>GEP Usage</th>
<th>6-7 (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 SCI Found 2</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 &amp; 1020L SCI Found 1</td>
<td>SCI Found 1</td>
<td>CHM 1020/1020L and CHM 2045C SCI Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CGS 1078 MAT Found 2</td>
<td>SCI Found 1</td>
<td>CGS 1078 &amp; 1020L SCI Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td>SCI Found 2</td>
<td>ECO 2023 and ECO 2023 SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>European History</td>
<td>ENC 1101 COM Found 1</td>
<td>SCI Found 1</td>
<td>ENC 1101 and ENC 1102 SCI Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Environmental Systems</td>
<td>ISC 1050 SCI Found 2</td>
<td>SCI Found 2</td>
<td>ISC 1050 &amp; 1020L SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Further Mathematics</td>
<td>MUF 1202</td>
<td>SCI Found 2</td>
<td>MUF 1202 and MUF 1209 SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Geography</td>
<td>GEA 1000</td>
<td>SCI Found 2</td>
<td>GEO 1200 and GEO 1400 SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>History</td>
<td>WOH 1030</td>
<td>SCI Found 2</td>
<td>WOH 1030 and WOH 1999 SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Math Methods</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>MAC 1105 and MAC 1140 MAT Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Math Studies</td>
<td>MAT 1033</td>
<td>MAT Found 1</td>
<td>MAT 1033 and MAT 1106 MAT Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Statistics</td>
<td>STA 2014</td>
<td>MAT Found 1</td>
<td>STA 2014 MAT Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Studio Art: Drawing</td>
<td>No direct equivalent</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Studio Art: 2-D Design</td>
<td>No direct equivalent</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Studio Art: 3-D Design</td>
<td>No direct equivalent</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>United States History</td>
<td>AMH 1000</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>World History</td>
<td>WOH 2022</td>
<td>CUL &amp; HIS Found 1</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
</tbody>
</table>

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

Accelerated Education Opportunities

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

Advanced Placement Program (AP) (see table on previous page)

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) of introductory literature. A score of 4 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 3700 (number unique to exam)

International Baccalaureate Program (see table on previous page)

Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the 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 Florida take English as their A1 level language (literature for native or near-native speakers) and one or more Foreign Language B exams. Within each category, there are “standard” and “higher” level examinations. Institutions may wish to award additional credit for higher-level exams.

Language B (most common)

IB Diploma recipients (standard or higher level) earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121) 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.

Language A2 (language and literature courses for highly proficient speakers; uncommon in Florida)

No direct equivalent. Content of Language A2 varies widely. Minimum 3 credits language or literature for score of 4 (Diploma holders only), 6 credits of language or literature for a score of 5-7 (all exams for diploma holders, higher level exams only for others).

Language A1 (literature courses for native speakers; lan-
CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of &quot;E&quot; or &quot;D&quot;</th>
<th>GEP Usage</th>
<th>Passing score of &quot;C&quot;, &quot;B&quot;, or &quot;A&quot;</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art and Design (AS-Level)</td>
<td>Credit at discretion of faculty; submission of portfolio recommended</td>
<td>same</td>
<td>same</td>
<td>same</td>
</tr>
<tr>
<td>Art and Design (A-Level)</td>
<td>Credit at discretion of faculty; submission of portfolio recommended</td>
<td>same</td>
<td>same</td>
<td>same</td>
</tr>
<tr>
<td>Biology (AS-Level)</td>
<td>none</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Biology (A-Level)</td>
<td>none</td>
<td>BSC 2010C</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Chemistry (AS-Level)</td>
<td>none</td>
<td>CHM 1020/1020L</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Chemistry (A-Level)</td>
<td>none</td>
<td>CHM 2045C</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computing (A-Level)</td>
<td>CGS 1073</td>
<td>MAT Found 2</td>
<td>same</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
<td>MAT Found 2</td>
<td>same</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
<td>SOC Found 1</td>
<td>same</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Economics (A-Level)</td>
<td>ECO 2013 and ECO 2023</td>
<td>COM Found 1</td>
<td>same</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>English (AS-Level)</td>
<td>ENC 1101 or ENC 1102*</td>
<td>COM Found 1</td>
<td>ENC 1101/1102 or ENC 1102#</td>
<td>ENC 1101/1102#</td>
</tr>
<tr>
<td>English (A-Level)</td>
<td>ENC 1101 or ENC 1102#</td>
<td>COM Found 1</td>
<td>ENC 1101/1102 or ENC 1102#</td>
<td>ENC 1101/1102#</td>
</tr>
<tr>
<td>Environmental Science (AS-Level)</td>
<td>EVR 1001C</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Geography (AS-Level)</td>
<td>GEA 1000</td>
<td>same</td>
<td>same</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>History (A- or A-Level)</td>
<td>Three credits for each successfully passed paper, subject to institutional review</td>
<td>same</td>
<td>same</td>
<td>same</td>
</tr>
<tr>
<td>Foreign Language (Language Exams, A or A-Level)</td>
<td>At least one semester of language credit up to elementary II level (usually 1121)</td>
<td>At least one semester of language credit up to intermediate II level (usually 2201)</td>
<td>SCI Found 2</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Foreign Language (Literature Exams, A or A-Level)</td>
<td>One semester of literature survey credit</td>
<td>same</td>
<td>same</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Mathematics (A-Level)</td>
<td>none</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Mathematics (A-Level)</td>
<td>none</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Physics (AS-Level)</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>PHY 2053C/2054C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012</td>
<td>none</td>
<td>none</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012</td>
<td>none</td>
<td>none</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Sociology (A-Level)</td>
<td>PHY 2053C</td>
<td>SOC Found 2</td>
<td>SOC Found 2</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Sociology (A-Level)</td>
<td>PHY 2053C/2054C</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
<td>SCI Found 1</td>
</tr>
</tbody>
</table>

* If the student has previous credit for ENC 1101, credit will be rewarded for ENC 1102.
# If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1006.

DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam Credit</th>
<th>Course Number (3 credits per exam)</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>PCD 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 1000</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>
</tr>
<tr>
<td>Principles of Statistics</td>
<td>STA 1014</td>
<td>MAT Found 2</td>
<td>C</td>
</tr>
</tbody>
</table>
No direct equivalent. Content of Language A1 varies widely. Minimum 3 credits in literature for score of 4 (Diploma holders only), 6 credits for score of 5-7 (all exams for diploma holders, higher level exams only for others).

**IB Latin**
LWN 3701. This is a unique number assigned to this exam. The IB Latin course includes a reading component and a selection of two out of four authors on a list that changes periodically. Minimum 3 credits for score of 4 (Diploma holders only), 6 credits for score of 5-7 (all exams for diploma holders, higher level exams only for others).

**CLEP Language Examinations**
(see table on page 59)
Credit is awarded for scaled scores of 50 or higher on computer-based CLEP exams taken after July 1, 2001. A score of 50 on any of the language exams earns a minimum of one CLEP credit. Successful completion of CLEP examinations means performance at or above the second CLEP threshold (generally numbered 1120). A score at or above the second CLEP threshold (generally numbered 1120). 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**
(see table on page 60)
The Advanced International Certificate of Education (AICE) program is an international, advanced secondary curriculum and assessment program equivalent to the British system of "A-Levels." Information about the program, including course syllabi, can be found online at http://www.cie.org.uk/q_and_s/gce_a/index.html.

**DANTES Examination Credit**
(see table on page 60)
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.

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

---

### 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 1830</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

Director: Mathilda E. Harris; 407-882-2300; Fax: 407-275-4386; Research Pavilion, Suite 263, P.O. Box 163105, Orlando, FL 32816-3105; http://www.international.ucf.edu/

Three of the University of Central Florida’s five international goals are: 1) to achieve international prominence in key prorams of graduate study and research; 2) to provide international focus to our curricula and research programs; 3) to become more inclusive and diverse. UCF offers a variety of programs that support these goals by providing students with global competence via internationalized courses, language offerings, internships and work experiences in internationally related areas. UCF also offers many types of study-abroad programs that meet the general education requirements and the needs of majors in all colleges. The ultimate goal of global education is to create a trans-national understanding of the social economic, cultural, environmental and political realities of the 21st Century.

The Office of International Studies (OIS) is a University level office that serves as a clearinghouse for all international programs and coordinates such programs within the University. The mission of the OIS is to create an environment that facilitates the identification, development, promotion, coordination, and support of high quality international activities related to the academic mission of UCF. The on-going development of the international dimension at UCF will be realized through the implementation of goals and objectives related to the curriculum, faculty development, policies and planning, academic support, students, the community, funding, and external agencies.

The general goals stated in the UCF Five-Year Plan for International Studies are to:

- Infuse the curriculum with international content that will teach students to think about themselves and their profession within an interdependent world context and prepare them to think globally and to be citizens in an interdependent and diverse world;
- Increase the pool of faculty with international expertise in order to have an impact upon all facets of the academic experience at UCF;
- Create an environment that encourages the development and continuation of international programs through appropriate policies;
- Identify and improve all components of academic support that are integral to internationalizing UCF;
- Build strong linkages between the international dimensions of UCF and the Orlando community;
- Develop additional methods of funding international programs and activities at UCF; and
- Monitor the activities of, and develop contacts with, external agencies relevant to the international mission of the University.

Study Abroad Programs

There are numerous benefits from studying abroad. It enhances thinking skills and motivation to learn, and increases confidence, maturity and empathy for others. In addition, study abroad programs are naturally positioned to promote awareness of cultural differences. 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 component to a course delivered on campus or online. Examples of short term programs include the Department of Foreign Languages intensive programs in French (Paris, France), German (Muenster, Germany) Italian (Bergamo, Italy) and Spanish (Madrid, Spain); Social Work Department programs in South Africa and Russia; Criminal Justice in Barbados, Nursing in Sweden, 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 Juniors or Seniors who have a minimum 3.0 GPA. Examples of current exchanges are located in Australia, Griffith University; China, Qingdao University; France, Universities of Angers and Paul Sabatier; Germany, University of Koblenz, Ilmenau Technical University; Japan, Meikai University; Jordan, Princess Sumaya University, College for Technology; Peru, University of Lima; Sweden, universities of Lund, Jonkoping, Mallardalen, and Dalarna; United Kingdom, University College Northampton.

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 other 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 provide program advice and general information about options. You can find information at 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) 823-2067, 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 partnerships 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 unemployment 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 may 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

Assistant Vice President/Director: J. Patrick Wagner; University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0244

The Division of Continuing Education (DCE) serves as the unit within Academic Affairs for the centralized administration of continuing edu-
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 industry in 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:

- Conference services;
- Customized corporate programs;
- Executive MBA Program;
- Public enrollment programs;
- International seminars and exchange programs;
- Trade missions for the development of potential economic and academic partners.

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: fcli@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 cooperative research and technical assistance, cultural exchange, enhancement of language training, and student/faculty exchange programs. Culture, and trade between Canada and Florida. The Institute serves the entire State University System. 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: eel@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 dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and east European countries to study in Florida state universities and community colleges for the same tuition fees as Florida state residents.
Special Academic Programs and Research Institutes

The John Scott Dailey Florida Institute of Government at the University of Central Florida
Director: Marilyn Crotty; 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)
Ken Sheinkopf, 1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1007; Fax: 321-638-1010.

The Florida Solar Energy Center is the largest and most active state-supported alternative energy research institute in the United States. Its facilities are located on the Cocoa campus of UCF at Brevard Community College. FSEC has gained national and international respect for its programs on photovoltaics, hydrogen from renewables, pollutant detoxification, photocatalytic processes, energy-efficient buildings, advanced cooling technologies, and solar thermal systems. It operates the only certified solar equipment testing program in the 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 technicians and 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: fsiucas@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 at the Cape Canaveral Air Force Station. This combination of facilities at the Space Center provides students with an unequaled 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; 407-658-5039; 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 1985 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 (NAVARA 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 Seminole counties’ joint fire rescue facility on the campus’ north boundary.

IST actively uses 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 multi-disciplinary 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 launching 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 analysis using a variety of software packages, interpretation and evaluation of statistical results, preparation of statistical reports, and writing statistical methods and data analyses sections of research grant proposals as well as data management through the data mining lab. The Institute’s faculty members are available to work as co-investigators or statistical consultants on clients’ grant proposals. The Institute also provides statistical support to various government agencies and private organizations. For a brief description of consulting activities of the Institute and research expertise of faculty members, please visit (http://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/educ.htm](http://www.orau.gov/orise/educ.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: Aloyse 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
- Marketing
- Bookkeeping
- Sources of Financing
- Business Tax
- Product Innovation
- Franchising
- 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-level 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 Sciences

**Bachelor of Arts (B.A.)**

**Majors:**
- Advertising/Public Relations, Anthropology, Art, Digital Media, English, Film, Foreign Languages Combination, French, History, Humanities, Interpersonal Communication, Journalism, Liberal Studies, Music, Organizational Communication, Philosophy, Political Science, Psychology, Radio-Television, Sociology, 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:**
- Actuarial Science, Biology, Chemistry, Digital Media, Forensic Science, Liberal Studies, Mathematics, Photography, Physics, Psychology, Social Sciences (interdisciplinary), Statistics

#### 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

### College of Education

**Bachelor of Science (B.S.)**

**Majors:**

#### College of Engineering and Computer Science

**Bachelor of Science**

**Majors:**
- Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.Cp.E.), Computer Science (B.S.), Electrical Engineering (B.S.E.E.), Electrical Engineering Technology (B.S.E.E.T.), Engineering Technology (B.S.E.T.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Systems Technology (B.S.), Information Technology (B.S.), and Mechanical Engineering (B.S.M.E.).

#### College of Health and Public Affairs

**Bachelor of Arts (B.A.)**

**Majors:**
- Communicative Disorders, Criminal Justice, Legal Studies, Public Administration

**Bachelor of Science (B.S.)**

**Majors:**
- Cardiopulmonary Sciences, Communicative Disorders, Criminal Justice, Health Information Management, Health Sciences-Athletic Training, Health Sciences-Generalist 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

#### Rosen College of Hospitality Management

**Bachelor of Science (B.S.)**

**Majors:**
- Hospitality Management, Restaurant and Foodservice Management
### Academic Minors

<table>
<thead>
<tr>
<th>College Awarding Minor*</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burnett College of Biomedical Sciences</td>
<td>Molecular Biology and Sciences</td>
</tr>
<tr>
<td>College of Arts and Sciences</td>
<td>African American Studies, American Studies, Cognitive Sciences, Digital Media, Judaic Studies, Latin American Studies, Middle Eastern Studies, North American Indian Studies, Social Sciences-Interdisciplinary, Accounting, Business Administration (for non-Business Administration majors), Economics (for non-Business and Business majors), International Business, Management Information Systems, Marketing (for Business and non-Business majors), Real Estate (for Business and non-Business Majors), Sport Business Management (for Business Majors Only)</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>Coaching, Early Childhood Education, Exceptional Education, Fitness Training, Technical Education and Industry Training</td>
</tr>
<tr>
<td>College of Engineering and Computer Science</td>
<td>Aerospace Studies, Military Science, Space Studies, Technology and Society Information Technology, Computer Science</td>
</tr>
<tr>
<td>College of Health and Public Affairs</td>
<td>Aging Studies, American Humanics, Communicative Disorders, Criminal Justice, Emergency Management, Health Sciences, Health Services Administration, Health Information Management, Legal Studies, Public Administration, Urban and Regional Planning</td>
</tr>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>Hospitality Management</td>
</tr>
</tbody>
</table>

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

### School/Department Awarding Minor* |

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

*Contact the college/school/department for the requirements for each 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/).
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 Electives 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 professions (chiropractic, medical, dental, optometric, podiatry, pharmacy, and veterinary medicine).

Degrees: Molecular Biology and Microbiology (BS, MS)  
Tracks: None  
Minors: Molecular Biology and Microbiology

Program in Medical Laboratory Sciences  
Director: Dorilyn 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) 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

Biomolecular Science Center
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 center will work 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 will establish at least 20 new faculty research teams in biomolecular science within the theme area of the center. Additional faculty will be hired in partnership with other academic units including the and . Together with the existing faculty, this growth in life sciences will 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 will be a major vehicle for training. In addition the center intends to help establish other degree programs in cooperation with other academic units to generate a skilled workforce that can serve the region and state's growing biomedical technology industry.
The College of Arts and Sciences, the largest academic unit in the University, includes the following departments: Art; Biology; Chemistry; English; Foreign Languages and Literatures; History; Liberal Studies; Mathematics; Music; Philosophy; Physics; Political Science; Psychology; Sociology and Anthropology; Statistics; and Theatre. The College also houses the School of Film and Digital Media, which includes the Film program as well as Digital Media. The Nicholson School of Communication is also within the college, and includes the following divisions: Advertising/Public Relations, Interpersonal/Organizational Communication, Journalism, and Radio/Television.

In keeping with the aims of the University of Central Florida, the College is responsible for all programs in the broad areas of the humanities, arts, natural sciences, and social sciences. The departments collectively offer more than sixty baccalaureate, graduate, and professional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog. Preprofessional Programs

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 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 Sciences 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 Sciences 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 Sciences. OASIS assists students in the College with degree requirements, policies and procedures. The Office oversees General Education course evaluation and substitutions as well as evaluation and application of TSD credits for Arts and Sciences students.

Questions concerning University and College academic policies affecting Arts and 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, and Middle Eastern. Although the academic home of these programs is the College of Arts and Sciences, 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: Hong Zhang, CNH 531, 407-823-3184
Judaic Studies - Contact: Moshe Pelli, 407-823-5039
Latin American Studies - Contact: Arlen Chase, 407-823-2124
Middle Eastern Studies - Contact: Elliot Vittes; 407-823-2745

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 407-882-2300.

Programs, Tracks, and Degrees

<table>
<thead>
<tr>
<th>Title</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuarial Science</td>
<td>BS</td>
</tr>
<tr>
<td>Advertising/Public Relations</td>
<td>BA</td>
</tr>
<tr>
<td>African-American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Animation</td>
<td>BA</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Minor</td>
</tr>
<tr>
<td>Art</td>
<td>Minor</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>BA, BFA, Minor</td>
</tr>
<tr>
<td>Astronomy</td>
<td>Minor</td>
</tr>
<tr>
<td>Biology</td>
<td>BA, MS, PhD, Minor</td>
</tr>
<tr>
<td>Biomolecular Sciences</td>
<td>PhD</td>
</tr>
<tr>
<td>Chemistry</td>
<td>BS, MS, Minor</td>
</tr>
<tr>
<td>Cinema Studies (Film)</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Communication</td>
<td>MA</td>
</tr>
<tr>
<td>Community Arts - PAVE</td>
<td>Minor</td>
</tr>
<tr>
<td>Digital Media</td>
<td>BA, Certificate, Minor</td>
</tr>
<tr>
<td>English</td>
<td>MA, BA, Minor</td>
</tr>
<tr>
<td>English as a Second Language</td>
<td>MA</td>
</tr>
<tr>
<td>Film</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Foreign Language Combination</td>
<td>BA</td>
</tr>
<tr>
<td>Forensic Science</td>
<td>BS</td>
</tr>
<tr>
<td>French</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>German</td>
<td>Minor</td>
</tr>
<tr>
<td>History</td>
<td>BA, MA, Accelerated MA, Minor</td>
</tr>
<tr>
<td>Humanities</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Interpersonal Communication</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Italian</td>
<td>Minor</td>
</tr>
<tr>
<td>Jazz Studies</td>
<td>Certificate</td>
</tr>
<tr>
<td>Journalism</td>
<td>BA</td>
</tr>
<tr>
<td>Judaic Studies</td>
<td>Certificate, Minor</td>
</tr>
<tr>
<td>Latin-American Area Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Liberal Arts</td>
<td>BA</td>
</tr>
<tr>
<td>Liberal Studies</td>
<td>BA, BS, MS, Accelerated MS</td>
</tr>
<tr>
<td>Magazine Journalism</td>
<td>Minor</td>
</tr>
<tr>
<td>Mathematics</td>
<td>BS, MS, PhD, Minor</td>
</tr>
<tr>
<td>Mass Communication</td>
<td>Minor</td>
</tr>
<tr>
<td>Middle Eastern Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Music</td>
<td>BA, BM, Minor</td>
</tr>
<tr>
<td>Music Education</td>
<td>BME</td>
</tr>
<tr>
<td>Music Technology</td>
<td>Certificate</td>
</tr>
<tr>
<td>North American Indian Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Organizational Communication</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Philosophy</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Physics</td>
<td>BS, MS, PhD, Minor</td>
</tr>
<tr>
<td>Political Science</td>
<td>BA, MA, Minor</td>
</tr>
<tr>
<td>Psychology</td>
<td>BA, BS, PhD, Minor</td>
</tr>
<tr>
<td>Radio-Television</td>
<td>BA</td>
</tr>
<tr>
<td>Real Estate</td>
<td>Minor</td>
</tr>
<tr>
<td>Religious Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>BS, Minor</td>
</tr>
<tr>
<td>Sociology</td>
<td>BA, MA, Minor</td>
</tr>
<tr>
<td>Spanish</td>
<td>BA, MA, Minor</td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
</tr>
<tr>
<td>Theatre</td>
<td>BA, BFA, Minor</td>
</tr>
<tr>
<td>Translation and Interpretation</td>
<td>Certificate</td>
</tr>
<tr>
<td>Women's Studies</td>
<td>BA, Minor, Certificate</td>
</tr>
</tbody>
</table>
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 writing rooms and both a traditional wet photography lab and a digital darkroom. The Advertising/Public Relations Division has a computerized graphics lab and a writing room. The Interpersonal/ Organizational Communication Division has a presentational 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 Communication (BA), Journalism (BA), Organizational Communication (BA), Radio/Television (BA)

Tracks: Broadcast Journalism, Broadcast Production, General Broadcasting

Minors: Interpersonal Communication, Magazine Journalism, Mass Communication, Organizational Communication

Community Arts—PAVE: Program

Director: TBA; 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

English: Department

http://www.english.ucf.edu
E-mail: english@ucf.edu
Interim Chair: Jose Fernandez; CNH 301; 407-823-2212
Professor Emeritus: 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, Ph.D)
Tracks: Literature, Creative Writing, Technical Writing
Minors: Creative Writing, Literature, Linguistics, Technical Writing and Editing, Writing

School of Film and Digital Media

Director: Terry Frederick

Digital Media: Program

http://www.creat.cas.ucf.edu
E-mail: creat@cas.ucf.edu
Director: J. Michael Mosshall; VAB 205; 407-823-6100

The Digital Media program is offered by the Consortium for Research and Education in the Arts and Technology (CREAT) and is housed in the College of Arts and Sciences. Contributing academic units include the Departments of Art, English, Film, Music, Theatre, and the School of Electrical Engineering and Computer Science.

Degrees: Digital Media (BA, BS)
Tracks: Graphic Design, Computer Animation, Computing for Media, Writing for Media, Digital Music, Internet and Interactive Systems
Minors: Minor, Certificate

Film: Program

http://www.film.ucf.edu
E-mail: film@ucf.edu
Division Head: Phil Peters; COM 121; 407-823-3456
Faculty: Blum, Congdon, Cook, Fluegel, Gerstein, Harpole, Harris, Inglis, Johnson, Jones, Rohdie, Sandler, Schlow, Stocki, Underberg, 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)

Forensic Science: Program

http://www.cas.ucf.edu/chemistry/forensic.html
E-mail: chemistry@ucf.edu
Director: W. W. McGee; CH 221; 407-823-2788
Faculty: Ballantyne, Fookes, McGee

Forensic Science is the profession serving the scientific needs of the justice system. The program at UCF has been designed to provide the student with an educational background in criminalistics. The principal job of the forensic scientist is to examine physical evidence gathered at the scene of a suspect criminal action. The criminalist may work on physical evidence such as blood, hairs, fibers, or pharmaceutical and clandestine drug preparations. Upon completion of a thorough laboratory examination of the evidence, the forensic scientist presents his/her findings in court. The goal of the Forensic Science program is to prepare the student for this demanding profession. Within the Forensic Science program, the student may choose one of two programs of study. The two areas of emphasis are the Analysis Track and the Biochemistry Track.

Degrees: Forensic Science (BS)
Tracks: Forensic Analysis, Forensic Biochemistry
Minors: none

History: Department

http://pegasus.cc.ucf.edu/~history
E-mail: history@ucf.edu
Chair: Edmund Kallina; CNH 505-Z; 407-823-5450
Faculty: C. Adams, S. Adams, Alvarez, Beiler, Cassanello, Clark, Crepeau, Downing, Farless, Fernandez, Fried, Gordon, Greenhaw, Herlihy, Kallina, Leckie, Mendoza, Pauley, Perry, Solanari, Stockdale, Walker, Walters, 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 function of, and motives behind the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication, while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.

The Department participates in the programs in Women’s Studies, African-American Studies, Asian Studies, Canadian and Commonwealth Studies, Latin-American and Iberian Area Studies, and Russian Area Studies.

Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: History
Judaic Studies: Program
http://www.cas.ucf.edu/judaic_studies
E-mail: judaics@ucf.edu
Program Director: Professor Moshe Pelli; CNH 201, 407-823-5039 or 823-5129

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

Latin American Area Studies: Program
E-mail: achase@mail.ucf.edu
Director: Arlen Chase; PH 403M; 407-823-2124

The Latin American Area Studies Minor is an interdisciplinary academic program whose objective is to provide students with an understanding of Latin American cultural, social, intellectual and political-economic dynamics. The minor provides students with a background that can be applied to careers in teaching, government, business, non-profit organizations, as well as international, inter-American Affairs.

Degrees: None
Tracks: None
Minors: Latin American and Iberian Area Studies

Liberal Studies: Program
http://www.cas.ucf.edu/liberal_studies
E-mail: ls@mail.ucf.edu
Director: Elliot Vittes
Program Contact: The Liberal Studies Advising Team
Academic Advisors: Karen Cox, Katrin DeWindt, Lee Logan, Linda Skrotsky; CNH 20, Judy Monroe (MNH 321) 407 823-0144.

The Liberal Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study that include sixteen different areas plus minor degree programs. The degree includes six different tracks: Liberal Studies, Computer Information Technology, Environmental Studies, Photography and Women’s Studies.

Degrees: Liberal Studies (BA, BS, MA, MS)
Tracks: Liberal Studies, Liberal Arts, Environmental Studies, Women’s Studies, Computer Information Technology
Minors: American Studies, Environmental Studies, Social Sciences Interdisciplinary

Mathematics: Department
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Chair: Zuhair Nashed; MAP 209; 407-823-0445
Faculty: Andrews, Anthony, Armstrong, Brigham, Cannon, Caron, Choudhury, Clarke, Danielyan, Dunlop-Pyle, Dutton, Griffiths, Han, Heinzer, Higgins, Hilton, Hoffman, Jones, Kassass, Katsevich, Langfield, Li, Martin, Mikusinski, Mohapatra, Pensky, Phillips, Pyle, Rautenstrauch, Ren, Richardson, Rodriguez, Rollins, Salzmann, Schober, Shivamoggi, Taylor, Tovbis, Vajravelu, Young, Zhao

The Department of Mathematics offers courses and programs which lead to a Bachelor of Science in Mathematics, a minor in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve;

1. students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. students who desire to continue their education in graduate and professional schools; and
3. students who need to use advanced mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. There are the usual service courses in pre-calculus and calculus along with strong programs in the upper division in the traditional areas of algebra and analysis and applied mathematics.

The department does not award credit by examination for courses which are regularly taught. Students who feel they know the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirements. 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

Music: Department
http://www.cas.ucf.edu/music/
E-mail: music@ucf.edu
Interim Chair: K. Koons; CNH 205; 407-823-2866. Fax 407-823-3378
Part-Time Faculty: Berger, Chen, Fox, Garrity, Gerher, Hawkins, Hill, Krueger, Leung, Liao, Pitford, Robertson, Swedberg, Titus, Schultz, Ward, Wei

The Department of Music offers a Bachelor of Music degree with options in performance, composition, and piano pedagogy; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education. Master of Arts and a Master of 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, University Vocal Society, Gospel Choir, MIDI User Group, Student Chapters of MENC and ACDA, and Student Advisory Council.

Degrees: Music (BA), Music Education (BME)
Tracks: Music Performance (BM)
Minors: Music Performance, Composition

Modern Languages and Literatures: Department
http://pegasus.cc.ucf.edu/~forlang
E-mail: foreignlanguages@ucf.edu
Chair: TBA; CNH 523; 407-823-2472

Faculty: Barberet, Barsch, Cervone, Decker, Del-Rio, DiPierro, Fabery, Fernández, Ferro, Folse, Giannandrea, Korosy, León, López, Martínez, Nalbone, Prucha, Redmon, Rivera, Fabery, Fernández, Ferro, Giannandrea, Korosy, León, López, Martínez, Nalbone, Prucha, Redmon, Rivera, Stebbins, Taylor, Villanueva, Micarelli (Professor Emeritus)

Language studies in the College of Arts and Sciences provide instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a combination of 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 enrolled in the 1000-level lan-
guage sequence are required to utilize the Foreign Language Media
Center for at least one hour per week. 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 Sciences, and by
the Department of Foreign Languages and Literatures.

Degrees:  
French (BA), Spanish (BA, MA),  
Foreign Language Combination (BA), ESOL (MA)

Tracks:  
None

Minors:  
French, German, Italian, Spanish

Philosophy: Department
http://www.cas.ucf.edu/philosophy
E-mail: philosophy@ucf.edu
Chair: Shaun Gallagher; CNH 411; 407-823-2273
Faculty: Cash, Compton, Congden, Coverston, DiBernardo, Evans,  
Hawkins, Jaeger, Janz, Jones, Kassim, Mundale, Park, Schippert,  
Slanick, Strauss, Vittes, Wilson

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 regis-
tering each semester. Majors should schedule appointments with their
departmental advisor when picking up their registration form and sched-
ule 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

Physics: Department
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Interim Chair: Ralph Llewellyn; MAP 310; 407-823-2325
Associate Chair: Lee Chow; MAP 315; 407-823-2333
Faculty: Bhattacharya, Va, Bolton, Bose, Braunstein, Britt, Busch,  
Campins, Chernyak, Chow, Ethimioi, Heinreich, Johnson,  
Kokouline, Llewellyn, Luo, Muciolo, Neighbor, Peale, Roldan-
Cuenya, Saha, Saul, Schelling, Schulte, Tonner, Winingham,  
Woodney
Faculty Emeritus: Brennan
Visiting Faculty: Dubey, Filtisyan, Stepanov

The Department of Physics offers a multi-track program of study lead-
ing to the B.S. degree, giving students the flexibility to choose a suit-
able set of courses to prepare for their career goals. A common core of
courses in theoretical and experimental physics will lead to a broad
understanding of the general principles of physics. The different tracks
allow students to specialize, applying problem-solving techniques in a
certain area of interest; this also enhances their qualifications for
employment in that area after graduation.

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

The Department's research programs include optics and lasers, con-
densed 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 and Lasers, Computational Physics, Astronomy

Minors:  
Astronomy, Physics

Political Science: Department
http://pegasus.cc.ucf.edu/~politics
E-mail: politics@ucf.edu
Chair: R. Handberg; CNH 415; 407-823-2608
Faculty: Benson, Bradford, Dolan, Fine, Grigorescu, Hamann,  
Handberg, Houghton, Jacques, Jewett, Jungblut, Kiel, Kinsey,  
Knuckey, Lanier, Lille, Morales, Pollock, Reichert, Sadri,  
Schaufnagel, Vittes, Wilson

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 fol-
lowing programs:

- Asian Studies: Contact Houman Sadri.
- Canadian and Commonwealth Studies: Contact M. Elliot Vittes.
- Environmental Studies: Contact Dwight Kiel.
- Latin American and Iberian Studies: Contact Waltraud Q.  
Morales or Bruce Wilson.
- Russian Area Studies: Contact Houman A. Sadri.
- Space Studies: Contact Roger Handberg
- Women's Studies: Contact Terri S. Fine or Joyce Lille.

Degrees:  
Political Science (BA, MA), Economics (BA)

Tracks:  
American Politics, International Relations  
Comparative Politics, Prelaw

Psychology: Department
http://pegasus.cc.ucf.edu/~psych
E-mail: psychology@ucf.edu
Chair: TBA; PH 302B; 407-823-2216
Associate Chair: W. Wooten, PH 305E; 407-823-2216
Faculty: Berman, Blau, Borjesson, Bowers, Brophy, Burroughs, Chin,  
M. Dunn, S. Dunn, Ehrenreich, Fiore, Fisher, Filzlsche, Gilson,  
Hagans, Hancock, Hernandez, Hitt, Jensen, F. Jentsch, K. Jentsch,  
M. Kennerley, R. Kennerley, Lavooy, McGuire, Morgan, Mottarella,  
Moulaou, Negy, Newlin, Pritchard, Rapport, Renk, Reynoso,  
Rinalduzzi, Rollins, Salas, Shirkey, Sims, Smither, Stone-Romero,  
Thomas-Jenkins, Tucker, Walker, Wang, Weaver, Whitten, Wooten

Psychology is one of the empirical sciences in the College of Arts and
Sciences. The Undergraduate Program in the Department of
Psychology reflects the scientific nature of the field and has two primary
missions. The first is to provide students with a rigorous preparation for
graduate training in psychology and related fields. The second mission
is to provide all students with skills they will need to apply the basic
concepts and methods of psychology in their work, their communities,
and their lives. The Department of Psychology grants both BA and BS
degrees. While either the BA or BS degree provides excellent prepara-
tion for graduate programs, students desiring a strong background in
statistics and science should consider the BS option. The BS option
has more science and math-related requirements as well as additional
courses in psychology research and statistical methods.

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

Tracks:  
None

Minors:  
Psychology, Behavioral Forensics Certificate

Social Sciences: Program
Contact Program: Liberal Studies Advising Team; CNH 201;  
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
The Department of Sociology and Anthropology offers a Bachelor of Arts in Sociology and in Anthropology. Students should consult with their departmental advisor early in their academic careers to select an area of specialization within the Department or if they plan to pursue graduate work.

Degrees: Anthropology (BA, Sociology (BA, MA)
Minors: Anthropology, Anthropology in Multicultural Studies, Sociology

Statistics and Actuarial Science: Department
http://www.cas.ucf.edu/statistics
E-mail: statistics@ucf.edu
Chair: I. Ahmad; CCII 212; 407-823-2289
Associate Chair: D. Gay
Faculty: Cutchins, Gad, Guo, Hoffman, Jamshidian, Johnson, Nickerson, Pensky, Ren, Richardson, J. Schott, S. Schott, Su, Suchora, M. Wang, You, Zhang

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. (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)
Minors: Statistics

Theatre: Department
http://theatre.ucf.edu
E-mail: theatre@ucf.edu
Chair: TBA; UTC 111; 407-823-2862.
Faculty: Bell, Blades, Boyd, Brotherton, Brown, Chicurel, DiCroce, Flannery, Harris, Hart, Helsinger, Huaxiang, Ingram, Lartonoiix, Listengarten, Major, Maxwell, McDonald, Niess, Owens, Ruscella, Rusnock, Scott, Seay, Shafer, Siegfried, H. Smith (Professor Emeritus), T. Smith, Stibring, Vernon, Weaver, Woods

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. In support of this mission and the liberal arts goals of the College of Arts and Sciences, 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, and total human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship thus providing them with a unique and invaluable introduction to the real world of professional theatre. 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: Performance, Design/Tech, Stage Management, Musical Theatre
Minors: Theatre

Women’s Studies: Program
http://www.cas.ucf.edu/womensstudies
E-mail: womensst@ucf.edu
Director: L. M. Logan ; CNH 201H; 407-823-6502

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 contributes 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
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 work; 2) complete with a "Satisfactory" (S) grade Honors Symposium; and 3) meet upper-division Honors course requirements determined by college or major.

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
The current requirements are as follows:

1. Complete one Honors Interdisciplinary Seminar (3 hrs)
2. Complete two Honors upper-division courses, Seminars, or Interdisciplinary Seminars (6 hrs)
3. Complete the Honors Engineering Research Seminar (3 hrs)

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:

1. Complete one Honors Interdisciplinary Seminar (3 hrs)
2. Complete two Honors upper-division courses, Seminars, or Interdisciplinary Seminars (6 hrs)
3. Complete the Honors Engineering Research Seminar (3 hrs)

The Burnett Honors College provides oversight of the student's progress in meeting Honors requirements and will coordinate overall progress in meeting Honors requirements and will coordinate overall

UCF/USF Accelerated Medical School Program for Students of The Burnett Honors College

Eligible UCF freshmen who have been admitted to The Burnett Honors College and are interested in attending medical school have an opportunity to receive guaranteed admission to University of South Florida's College of Medicine and complete a medical degree in seven years (3+4). Students must apply for the program prior to their first semester at UCF. The first three years of study will be completed at UCF and the fourth year will be done in residence at USF as part of the first year of medical school, provided that students continue to meet all the program requirements. UCF will confer a Bachelor's Degree following successful completion of the fourth year of study. USF will confer the Doctor of Medicine Degree at the successful completion of the program.

Students may elect to complete a fourth year at UCF, following the more traditional pattern of four years of undergraduate coursework prior to receiving the Baccalaureate Degree, and then enter the USF College of Medicine. Students selecting this option (4+4) must complete the same requirements as the accelerated (3+4) program, but also have the opportunity to take more advanced coursework and become involved in additional research activities. Students may elect to decelerate at any point prior to October 31 of the third year.

Transfer students are not eligible for this program.

Students applying for this accelerated program must select a major in one of the following fields in order to receive a Baccalaureate Degree from UCF:

- Molecular Biology and Microbiology
- Liberal Studies
- Other majors are available using the 4 + 4 option

The Burnett Honors College provides oversight of the student's progress in meeting Honors requirements and will coordinate overall completion of the first three years of the program. Students will receive advisement and schedule planning assistance each semester from a department advisor and the Pre-professional advisor.

Students attending the USF Medical School during their fourth year of matriculation (3 + 4 track) may transfer a maximum of 30 hours of coursework taken at USF toward their UCF undergraduate degree. Such students fulfilling the accelerated 3 + 4 track will receive their BS degree from the University of Central Florida after successfully completing all UCF requirements and the requirements of the first year of medical education at USF.

UCF/USF Accelerated Medical School Program for Students of The Burnett Honors College

http://www.burnett.ucf.edu/usf_medschool.html

Eligible UCF freshmen who have been admitted to The Burnett Honors College and are interested in attending medical school have an opportunity to receive guaranteed admission to University of South Florida's College of Medicine and complete a medical degree in seven years (3+4). Students must apply for the program prior to their first semester at UCF. The first three years of study will be completed at UCF and the fourth year will be done in residence at USF as part of the first year of medical school, provided that students continue to meet all the program requirements. UCF will confer a Bachelor's Degree following successful completion of the fourth year of study. USF will confer the Doctor of Medicine Degree at the successful completion of the program.

Students may elect to complete a fourth year at UCF, following the more traditional pattern of four years of undergraduate coursework prior to receiving the Baccalaureate Degree, and then enter the USF College of Medicine. Students selecting this option (4+4) must complete the same requirements as the accelerated (3+4) program, but also have the opportunity to take more advanced coursework and become involved in additional research activities. Students may elect to decelerate at any point prior to October 31 of the third year.

Transfer students are not eligible for this program.

Students applying for this accelerated program must select a major in one of the following fields in order to receive a Baccalaureate Degree from UCF:

- Molecular Biology and Microbiology
- Liberal Studies
- Other majors are available using the 4 + 4 option

The Burnett Honors College provides oversight of the student's progress in meeting Honors requirements and will coordinate overall completion of the first three years of the program. Students will receive advisement and schedule planning assistance each semester from a department advisor and the Pre-professional advisor.

Students attending the USF Medical School during their fourth year of matriculation (3 + 4 track) may transfer a maximum of 30 hours of coursework taken at USF toward their UCF undergraduate degree. Such students fulfilling the accelerated 3 + 4 track will receive their BS degree from the University of Central Florida after successfully completing all UCF requirements and the requirements of the first year of medical education at USF.
The Burnett Honors College

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

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

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 Undergraduate Research 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 COHHA Honors Interdisciplinary Course or BSC 3404H (for Molecular & Microbiology students only). 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 begin Honors in the Major, which must be signed by the Thesis Committee Chair, the Honors Coordinator of the major department, and the Director of Undergraduate Research 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 Undergraduate Research 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 him@mail.ucf.edu

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 Spring or Summer semester research. Students seeking more information about SMART should visit http://www.honors.ucf.edu/SMART_main.html

If you have any questions about SMART or the grants program, please contact the Office of Undergraduate Research 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. 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.
The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University’s mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

Nurturing Learning and Exploration: The College is a catalyst for students, faculty, and the general public to gain a better understanding of the various fields of business. Educational experiences inspire learning and encourage exploration.

Dissemination of Information: Students are encouraged through the learning process to gather information to be used by them in future business vocations. Both students and faculty are encouraged to pursue outlets to share “new” information within their fields and to business practitioners.

Provide Educational Opportunities: Degree seeking individuals are provided with curricula leading to baccalaureate, masters, and doctoral programs. The College is also committed to providing more opportunities with structured learning experiences that “certify” non-degree seeking individuals as having accomplished a minimum requirement for a selected career.

Provide a Platform for Partnerships: The College is engaged in specific areas of excellence that provide opportunities for learning, exploration, and sharing. These specific areas of excellence take the form of Centers and Institutes, and selected niche areas of College units.

Admission to the University of Central Florida does not imply admission to the College of Business Administration. 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 with a 2.0 GPA.
- Common Program Prerequisites with a 2.0 GPA. 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.

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 Transfers 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, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived if 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.

Advisement
Undergraduate Student Services
Director: Helen Y. Hill; BAZ 101; 407-823-2184

The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in Ball 101 or by calling 407-823-2184. Visit USS's home page at: http://www.bus.ucf.edu/uss/

Programs and Degrees

<table>
<thead>
<tr>
<th>Title</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>BSBA, MSA, MST</td>
</tr>
<tr>
<td>Business Administration</td>
<td>MBA, Ph.D.</td>
</tr>
<tr>
<td>Economics</td>
<td>BSBA, MAAE, BA</td>
</tr>
<tr>
<td>Finance</td>
<td>BSBA</td>
</tr>
<tr>
<td>General Business</td>
<td>BSBA, MBA</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>BSBA, MS</td>
</tr>
<tr>
<td>Management</td>
<td>BSBA, MS HR</td>
</tr>
<tr>
<td>Marketing</td>
<td>BSBA</td>
</tr>
</tbody>
</table>

Departments and Programs
Kenneth G. Dixon School of Accounting
Director: A. Judd; BA 437; 407-823-2871
Assistant to Director: M. Hampton; BA 438; 407-823-5678
Faculty: Bandy, Bobek, Dwyer, Evans, Goldwater, Johnson, Judd, Kellimer, 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)

**Minors:** Accounting

**Department of Economics**

*Chair: D. Hosni; BA2 305-D; 407-823-3266, economics@bus.ucf.edu*

*Faculty:* Anton, Buhagiar, Caputo, Dickie, Elston, Euzenl, Finno, Gerking, Gibbs, Hamilton, Harrison, Hofler, Hosni, Im, Martin, McHone, Mikhail, Milton, Moore, Pennington, Potter, Rungeling, Rustrom, Scrogin, Soskin, Tramell, Underwood, White

*Faculty Advisor: R. Pennington; BA2 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 these.

**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.
- Offer the 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:** Economics (BSBA, BA, MAAE)

**Minors:** Economics

**Department of Finance**

*Chair: A. Byrd; BA 409; 407-823-3575*

*Faculty:* Ajayi, Atkinson, Block, Borde, Byrd, Chen, Cheney, Choi, Dalrymple, Frye, Gilkeson, Gregg, McQuillen, Modani, Park, Ragozzino, Ramanlali, 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)

**Minors:** International Business, Real Estate, Finance

**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, Callahan, Callahan, Connell, Fernald, C. Ford, R. Ford, Holland, Huseman, Keon, Migenes, McDonald, D. Neubaum, Putchinski, 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.
- 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

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, Porth, 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 industries, and from among a multitude of career paths.

Distinctive Benefits

- Challenging field of study that rewards inquisitive students who are willing to work toward a goal.
- Student internship opportunities throughout the Central Florida region.
- An active student organization (MISA).
- Excellent job opportunities and starting salary prospects.
- Ability for graduates to apply and integrate all of the functional areas of business early in their professional careers.

Degrees: Management Information Systems (BSBA)
Master of Science, Management Information Systems (MS/MIS)

Minors: Management Information Systems

Department of Marketing

Chair: R. Michaels; BA 307; 407-823-2108;
http://www.bus.ucf.edu/marketing/index.htm

Faculty: Allen, Borrieci, Crowson, Das, Davis, Desiraju, Echambadi, Ganesh, Gundy, Gupta, Harris, Howatt, Jordan, Kim, Maryott, Mayfield-Garcia, Michaels, Rubin, Sooder, Stock, Whang, Yoon

The Marketing major at UCF is called Impact Marketing 2010, or simply IM2010. It provides a superior education in the foundation of marketing such as research, customer behavior, professional selling, management, and strategy. A wide assortment of electives is designed to let each student round out his/her education according to specific career interests, whether that might be retailing, advertising, e-business, research, sales, sports marketing, healthcare, entertainment marketing or services. Internships are also readily available, and count as a marketing elective. Skills emphasized and developed throughout the curriculum are teamwork, communication, creativity, quantitative analysis, computing, problem solving, decision-making, thinking globally, and driving change.

A great benefit for Marketing majors is the opportunity to earn a certificate in any of seven areas of career interest: Selling and Sales Management, Retailing Management, E-Marketing, Sports Marketing Management, Healthcare Marketing, Entertainment Marketing, and Services Marketing. Students can design a personalized certificate program combining elective courses with an internship that will enhance their value to potential employers.

The department offers an 18-hour minor in Marketing. This course of study provides a strong basic education in Marketing for business students with majors other than Marketing or students with majors from other colleges. Earning a minor in Marketing can add significant value and career flexibility for any student with any major.

Marketing is vitally important to all organizations and individuals, from global corporations to small businesses, from CEOs to the proprietors of small retail stores, from global manufacturing operations to a new dot com startup. Nearly one-third of the civilian work force in the United States is employed in jobs related to marketing. Marketing offers a variety of interesting and challenging career opportunities, such as professional selling, retailing, advertising, marketing research, sports marketing, distribution and logistics, purchasing, and e-business. In addition, students with marketing degrees may find excellent job prospects in international markets. Marketing career opportunities also exist in a variety of non-business organizations, including hospitals, museums, universities, and government and social service agencies. Marketing also provides a strong career foundation for movement into top management positions.

Distinctive Benefits

- IM2010 program for Marketing majors recognized as one of the most innovative in the country.
- Seven certificate programs are available for Marketing majors.
- An 18-hour Marketing minor is available for students with other majors.
- Twenty-two dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offering each semester and summer -you can finish!
- Full-time faculty teach approximately 90% of undergraduate classes offered by the Department.
- Strong emphasis on preparing students for marketing management careers.
- Approximately 15 scholarships awarded annually on a competitive basis.
- Opportunities to participate in honors in the major, internships, independent projects, and directed studies.
- Opportunities to participate in national award-winning student chapters of the American Marketing Association and The Society for Marketing Professional Services (SMPS).

Degrees: Marketing (BSBA)
Tracks: Generalist, Sales
Minor: MARKETING

For more information, visit http://www.bus.ucf.edu/marketing/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 prepare students for careers as early childhood, elementary, secondary, exceptional, physical, technical education teachers, and sports and fitness professionals. The College of Education offers Bachelor of Science degrees with the following majors:

- Art Education
- Early Childhood Education
- Elementary Education
- English Language Arts Education
- Exceptional Student Education
- Foreign Language Education
- Mathematics Education
- Physical Education
- Science Education
- Social Science Education
- Sports and Fitness
- Technical Education and Industry Training

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 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 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 com-
Office of Student Affairs
Located in the Education Complex in Suite 110, the Office of Student Affairs is dedicated to facilitating the success of students seeking advisement, assistance, and support in the College of Education. The Office of Student Affairs is organized into the Offices of Clinical Experiences, Minority Programs In Education, and Student Services.

Office of Clinical Experiences
Director: Carolyn Walker Hoppe; ED 110, 407-823-2436
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 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 follow:
March 1 for Fall semester
September 15 for Spring semester
Admission to Internship I
Admission to Internship I will be granted when students who have been admitted to the College of Education meet the following additional requirements:
- Have on file in the University admissions office passing scores on all 4 parts of the College Level Academic Skills Test (CLAST) and/or Florida Teacher Certification Examination General Knowledge Test (no alternatives or waivers are accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C-” (1.75) or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I by deadlines listed above
- Meet any special departmental requirements
- Be recommended by the faculty of the department of the student’s major
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 College Level Academic Skills Test (CLAST) and/or Florida Teacher Certification Examination General Knowledge Test (no alternatives or waivers are accepted)
- Possess a minimum overall 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, 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. Guest internships will not be permitted.

Office of Minority Programs in Education
Director: Fritzlane M. Powell; ED 110, 407-823-0184
The Office of Minority Programs in Education (MPIE) is designed to recruit and retain minority 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 minority 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, Hispanic, Native American, or Pacific Islander
- Must be a Florida Resident
- Must 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
- Must 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: Tina M. Smilie; ED110; 407-823-3723
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. 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 pro-
gram 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:* Deborah Becker; ED 206-E; 407-823-6579

*Faculty:* Ackley, Allen, Boote, Brown, Condly, Gill, Hewitt, Holt, Hutchinson, Johnson, Kaplan, Koger, Loudermill, Luckett, Lue, Meyer, Miller, Munroe, Otter, Short, Sluti, Stewart

The Department of Educational Studies serves all students in the College of Education. The Department provides instruction in the core professional courses that address the competencies and skills needed by all undergraduate majors. These courses emphasize learning theory, teaching strategies, diversity, and the social, philosophical and historical foundations. The Department provides courses for all masters and doctoral programs in education, and coordinates the core courses for the 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, Angelopoulos, Balado, Blanes, Casado, Cross, Daire, Dieker, Edwards, Englehart, Ezell, Fuller, Harte, Hayes, Hines, Hughes, Jennings, K.D. Jones, L. Jones, Klein-Ezell, Little, Manning, Martin, Miller, Mumford, Platt, Robinson, Taub, Thomas-Richmond, W. 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.

Also available is the Master of Arts in Physical Education with emphasis in Exercise Physiology and Wellness. 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:* Lance Tomei; 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. The Technical Education and Industry Training degree also offers a track specifically designed for students seeking state certification in Business Education (B-12).

**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 and Spanish), and Physical Education.
College of Engineering and Computer Science

Dean: Neal C. Gallagher; ENG2 202; 407-823-2156
Interim Associate Dean for Research: Kien Hua;
ENG2 202; 407-823-2156
Associate Dean for Academic Affairs: J. F. Nayfeh;
ENGR 107; 407-823-2455
Director, Academic Support Services: Melissa Falls;
ENGR 107; 407 823-2455

Director of College Honors Programs: Jay Kapat,
ENGR 308; 407-823-2179
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
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
- Honesty: We tell the truth and are aboveboard and candid.
- Integrity: We foster trust and are consistent, always taking responsibility for our actions.
- Professionalism: We adhere to a professional code of ethics, continuing to learn while striving for excellence.
- Family: We pursue life outside of our professional environment, giving our family a priority.
- Altruism: We work as a team, help each other, and sacrifice for the common good. We understand that our work is part of a larger purpose and plan.

College Goals
- A national caliber, diverse College that is recognized with leadership in research and teaching.
- Distinguished, innovative undergraduate and graduate programs A model for university outreach, globalization and partnerships
- An organization committed to obtaining the highest quality standards in all phases of its operations, processes, and management
- A organization successful in obtaining resources to support academic development

Students who seek a challenging technical career in research and development, design, technical sales, manufacturing, management, teaching, or other professions requiring a methodical, creative solution to problems should seriously consider pursuing an education in engineering, engineering technology, or computer science. The internationally-recognized faculty of the College of Engineering and Computer Science, together with its strong curricula of undergraduate and graduate programs, provide an opportunity for ambitious, responsible men and women to become the leaders of our increasingly technological world. Because of the significance of science and technology to our everyday lives, today's engineer, engineering technologist, and computer scientist must be aware of the impact of his or her creations on society. In addition to the public health and welfare, aesthetics, economics, and energy-use implications, our graduates also consider environmental, sociological, and other humanistic costs. A degree from the College of Engineering and Computer Science is also recognized as a valuable asset to those entering other professional pursuits such as the medical or law professions, architecture, education, the military professions, or even politics.

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

College Vision
The College of Engineering and Computer Science (CECS) at the University of Central Florida will be recognized nationally and globally for undergraduate and graduate education, research and partnership. A quality, diverse faculty and student body working other disciplines, will achieve high standards in all aspects of education, research and technology application. These accomplishments will take place in a College dedicated to diversity, attaining quality, resource expansion and partnerships throughout all of its operations and programs.

College Mission Statement
Our primary mission is to further the knowledge and practice of the engineering and computer science professions in Central Florida, the state and the nation by:
- Providing the highest quality and innovative learning/teaching environment in undergraduate and graduate curricula, preparing a diverse student body to be effective, contributing members of a technological society and lifelong learners.
- Expanding the knowledge base of engineering and computer science through dynamic research and applying new discoveries for problem solving.
as the sole agency responsible for accreditation of educational pro-
grams 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), 111
Market Place #1050, Baltimore, MD 21202-4012, Telephone: (410)
347-7700, Fax: (410) 625-2238.
The Engineering Technology Division and Department offers bac-
calaureate concentrations in Design, Operations and in Space
Sciences, leading to the Bachelor of Science in Engineering
Technology (BSET) degree, and concentrations in Electrical
Systems, Computer Systems, and in Photonics, all leading to the
Bachelor of Science in Electrical Engineering Technology (BSET)
degree. Both the BSET and BSEET degrees are accredited by the
Technology Accreditation Commission (TAC) of the Accreditation
Board for Engineering and Technology (ABET), 111 Market Place,
#1050,Baltimore, MD 21202-4012, Telephone: (410) 347-7700, FAX:
(410) 625-2238. The Engineering Technology Department also offers
a Bachelor of Science degree in Information Systems Technology
(BS). This degree is designed for students who have completed 33
credit hours of lower level technical courses at a community college
in the areas of networking, programming, information technology,
computer science, computer engineering and technology or closely
related disciplines.
The College houses the ROTC Division for those students desiring
to pursue military training while earning their degree. The AFROTC
program offers a minor in Aerospace Studies, and the AROTC pro-
gram offers a minor in Military Science.

The Honors Program in the College of
Engineering and Computer Science
The engineering and computer science leaders of tomorrow must not
only have impeccable technical credentials, but must also be able to
provide strong leadership within the general community in which they
live. With this in mind, the Honors Program in the College of
Engineering and Computer Science offers outstanding undergradu-
ate 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 stu-
A program designed for students who did not participate in the University Honors
Program and would like to have the experience of an Honors curricu-
mum and 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 quali-
fied students who did not participate in the University Honors
Program and would like to have the experience of an Honors curricu-
mum and the University Honors Program found in The Burnett Honors College section of this
catalog) and 2) University Honors program students who desire to con-
tinue 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 under-
graduate under the guidance of a faculty member in his/her major.
The Honors in the Major represents a total of six semester hours of
graduate under the guidance of a faculty member in his/her major.
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 under-
graduate under the guidance of a faculty member in his/her major.
The Honors in the Major represents a total of six semester hours of
graduate under the guidance of a faculty member in his/her major.

The latter will result in an undergraduate thesis which will describe
the research done by the student. The student will defend his/her
thesis before a committee of faculty in the field as part of an oral
examination covering the honors work. A sponsoring faculty member
is required to supervise the undergraduate thesis.
In order to be admitted to the Honors in the Major program, the stu-
dent must:
1. Have at least 60 semester hours, including at least 12 graded,
upper division semester hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division
courses.
3. A minimum GPA of 3.50 or more in the Engineering option
courses.
4. A recommendation by a sponsoring faculty member. Exceptions
to the eligibility criteria may be made by the College Honors
Committee in individual cases, upon recommendation by a spon-
soring faculty member.
To successfully complete the HIM program and receive said designa-
tion, 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 gradua-
tion. 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, Avelino Gonzalez, Engineering Building, room 411.
For more information about The Burnett Honors College programs,
please visit their homepage at http://pegasus.cc.ucf.edu/~honors/.

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 depart-
ment. 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: D.R.Reinhart; ENG2 211; 407-823-2841,
Fax: 407-823-3315
Faculty: Abdel-Aty, Al-Deek, Catbas, Chopra, Cooper, Dietz, Hagen,
Kuo, Nnadi, Oloufa, Onyemelukwe, Radwan, Randall, Reinhart,
Taylor, Wanielista, Wayson, Yeh, Zhao
The Civil and Environmental Engineering Department (CEE) offers
baccalaureate degrees in both Civil Engineering (BSEnE) and
Environmental Engineering (BSEnE).

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 (out of six offered), which synthesize various pre-
requisite course offerings into a design project. Students in the Civil
Engineering withConstruction 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.

Educational Objectives
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.

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, and water resources.
2. Provide a professional engineering education that challenges our graduates to think critically and that will prepare them for a successful professional career.
3. Ensure that all our undergraduate students gain experience in applied engineering design within a broad curriculum.
4. Form and maintain partnerships with industry, government agencies, and professional organizations.
5. Develop awareness of the changing needs of society and local, state, national, and global environment and infrastructure.
6. Provide our graduates with a strong knowledge base to enhance their professional skills and develop their abilities to perform credible research.

The Computer Science Program
The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see Graduate Catalog), and Doctor of Philosophy (see Graduate Catalog) degrees in Computer Science. In addition, the program offers minors in Computer Science, Applied Computer Science, and Computer Information Technology.

The program strives to meet the requirements for professional careers and research in software development and computing systems technology by producing graduates with a broad base of formal course work. Students may use required elective credit to concentrate their degree in one of many research areas, including computational biotechnology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases, design and analysis of algorithms, distributed computing, digital media, evolutionary computing, graph theory, machine learning, natural language processing and knowledge-based systems, neural networks, operating systems, parallel processing, software engineering and VLSI design tools and hardware algorithms.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds from SCS. To learn about the current status of research facilities and projects, visit faculty web pages.
These may be found by following links from the computer science home page at http://www.cs.ucf.edu/.

**Mission**
The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computer technology, and for a lifetime of learning.

**Objectives**
1. CS majors should be practiced in the design and analysis of algorithms using mathematical and statistical methods and techniques.
2. CS majors should be proficient in the use of modern and widely-used programming languages.
3. CS majors should be practiced in abstract reasoning and modeling of complex real-world systems.
4. CS majors should be practiced in oral and written communication skills, particularly as these skills apply to the dissemination of technical information on subjects dealing with computing technology and applications.
5. CS majors should be practiced in the use of state-of-art software development methodologies, tools and language.
6. CS majors should be highly competitive in securing entry-level positions in software and computer system development industries.
7. The top fifteen percent (15%) of all graduating CS majors shall be qualified and prepared for pursuing graduate studies in the top tier graduate schools in Computer Science.

**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 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.

**School of Computer Science Policies and Procedures**
The School's web site (http://www.cs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ's) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

**Minors:** Information Technology and Computer Science

**Department of Electrical and Computer Engineering**

*Acting Chair:* Issa Batarseh; ENGR 407; 407-823-2787

**Faculty:** Batarseh, Bauer, Berrios, Boloni, Chatterjee, DeMarra, Ejnoui, Georgiopoulos, A. Gonzalez, F. Gonzalez, Haralambous, Jones, Kasparis, Klee, Kocak, Liou, Malocha, Mikhail, Petrasko, R. Phillips, Qu, Richie, Schiavone, Shen, Sundaram, Turgut, Wahid, Wei, T. Wu, Yuan

**Electrical and Computer Engineering Programs**
The Electrical and Computer Engineering programs offer baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCpE). Graduate degrees leading to the Master of Science in Engineering (M.S.E.) and Doctor of Philosophy (Ph.D.) are also offered. The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 3004, and progress to the senior design capstone courses. This senior design experience is a two-semester sequence totaling six credit hours. Aspects of engineering economics, administration, oral presentation, professional issues such as ethics, safety and environmental impact are also covered in the design courses. The design projects required in the design course sequence address real-life problems, and the students work in a team setting. Also, several projects are developed jointly with our industrial partners.

**The Computer Engineering Program**
The Computer Engineering program contains a minimum of 18 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), 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 educate 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 3123C) and Digital Circuits and Systems (EEL 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetic, optical engineering, and power/power electronics.

Mission

The mission of the Bachelor of Science in Electrical Engineering Degree Program is to educate students to become highly skilled in the principles and practices of electrical engineering and develop electrical engineers that meet market needs.

Objectives

1. Graduates will acquire sufficient academic competence in fundamental math, science, and engineering principles for employment in electrical engineering.
2. Graduates will acquire sufficient academic competence for advanced graduate studies.
3. Graduates will demonstrate overall competence in the electrical engineering discipline, including the ability to design systems and process, 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 mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at http://www.ece.ucf.edu/.

Department of Computer and Electrical Engineering Policies and Procedures

The department's web site is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ's) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

Chair: Lesia Crompton-Young; ENG2 312; 407-823-2204, Fax 407-823-3413

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 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 4481.

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.

2. 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.

3. BSIE graduates will understand the leadership responsibilities of a practicing engineer. Specifically, the student 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.

   4. BSIE graduates seeking professional employment or admission to graduate education programs will be successful in doing so within six months of graduation.

   5. 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 programs are electronically posted and continuously updated. More information on the Industrial Engineering program can be found on the Industrial Engineering Department home page at http://www.iems.ucf.edu/.

Department of Mechanical, Materials, and Aerospace Engineering

Chair: Ranganathan Kumar, ENGR 307; 407-823-2416, Fax 407-823-0208
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, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in thermo-fluids, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, CAD/CAM/FEM, feedback control and mechatronics, fluid mechanics, heat transfer, and structure and properties of materials.

Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering
In support of the University and College missions, the Aerospace Engineering program at UCF is committed to 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 mechanical 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.

Mechanical Engineering Program Educational Outcomes and Objectives
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: BSEET Programs: A. Rahrooh; ENGR 207; 407-823-4749
Program Coordinator Information Systems Technology: B. Motlagh; ENGR 207; 407-823-4739
Faculty: Burroughs, Cowar, Divo, Ducharme, Misconi, Morse, Motlagh, Osborne, Rahrooh

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.

The mission statement and objectives for Engineering Technology are electronically posted and continuously updated. More information on the Engineering Technology programs can be found on the ENT Department home page at http://www.ent.ucf.edu.

Bachelor of Science in Electrical Engineering Technology (BSEET)
This program in electrical engineering technology, leading to the BSEET degree, provides a structured curriculum with instruction in fundamentals and engineering principles applicable toward working with both present and future technologies in a variety of work environments. Graduates may find employment opportunities in 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, system analysis, technical writing and software design, preparation and programming.

The EET program provides three paths of concentration, there-by providing the student a choice between either a hardware or a software emphasis. The concentration in Electrical systems provides a broad based curriculum in electrical/electronic engineering principles, and their application. Instruction and problem solving experiences are provided in both circuit and system 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 become involved in many diverse areas including product development, manufacturing, quality assurance and logistics, sales, field engineering, technical writing and safety. The Space Science Technology concentration prepares students for a career in launch and space operations, payload management, and other requirements to work in the space industry. Projects in solving real-world problems, are required of all students in the BSET program. In addition to the engineering technology core, all concentrations in the BSET program have a common lower division core as well as a common upper division core.

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: Lt Col Wieck; Trailer 501, Room 103; 407-823-1247, Fax 407-823-2265

Faculty/Staff: Major Nowotny, Major Turner, Captain Williams, 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, two, and one-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 need to contact the department early in the Fall prior to the Summer Field Training.

Officer Commissioning

Students who complete the Professional Officer Course are appointed Second Lieutenants in the United States Air Force. After completing the training program and entering active duty with a reserve commission, 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, CPT Brown, CPT Hernandez, CPT Plumtree, MSG Helems, MSG Celestine, SSG Phillips, SSG Blunt, SGT Rodriguez, 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 $7500.00 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, trade 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. 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 $350.00 or $400.00 per month during the school year.

4. Scholarships
Four, three and two-year scholarships are available for all students who qualify. These scholarships provide full tuition, books and fees for Fall and Spring semesters. In addition, all contracted scholarship students also receive the $250.00, $350.00 or $400.00 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 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 during 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 $900 pay for the training.
College of Health and Public Affairs
Dean: Belinda R. McCarthy; HPA I 365; 407-823-0171
Associate Dean, Graduate Studies and Technology: Stephen Holmes; HPA I 365; 407-823-0171
Associate Dean, Undergraduate Studies: Pamela Kirby; HPA I 365; 407-823-0171
Assistant Dean, Student/Personnel Affairs: Melvin Rogers; HPA I 365; 407-823-0171
Website: http://www.cohpa.ucf.edu

The College of Health and Public Affairs houses six departments and schools: the School of Nursing, the School of Social Work, and the departments of Communicative 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, 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 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: Communicative Disorders, Criminal Justice/Legal Studies, Public Administration, Health Sciences Generalist, and Health Services Administration.

Academic Advisement
Office of Student Support
Director: Judith A. Sindlinger; HPA2 115; 407-823-0010; E-mail: hpainfo@pegasus.cc.ucf.edu

The College of Health and Public Affairs Office of Student Support 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

<table>
<thead>
<tr>
<th>Major</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiopulmonary Sciences</td>
<td>BS</td>
</tr>
<tr>
<td>Communicative Disorders</td>
<td>BA, BS, MA</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
</tr>
<tr>
<td>Health Information Management</td>
<td>BS</td>
</tr>
<tr>
<td>Health Sciences-Athletic Training</td>
<td>BS</td>
</tr>
<tr>
<td>Health Sciences - Generalist</td>
<td>BS, MS</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>BA, BS</td>
</tr>
<tr>
<td>Legal Studies</td>
<td>BSN, MSN, PhD</td>
</tr>
<tr>
<td>Nursing</td>
<td>BA, BS, MPA, MNM, PhD</td>
</tr>
<tr>
<td>Public Administration</td>
<td>BA, BS, MSW</td>
</tr>
<tr>
<td>Public Affairs</td>
<td>BS</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>MS</td>
</tr>
<tr>
<td>Radiologic Sciences</td>
<td>BS</td>
</tr>
<tr>
<td>Social Work</td>
<td>BSW, MSW</td>
</tr>
</tbody>
</table>
The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communicative and its disorders. The undergraduate program in the Department of Communicative Disorders provides a foundation in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are to provide students with the necessary preparation 1) to pursue 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 a four-course sequence in American Sign Language open to the entire university community: SPA 4612, SPA 4613, SPA 4614C, and SPA 4615.

Department of Criminal Justice and Legal Studies

Chair: B.J. McCarthy; HPA 311; 407-823-2603

The Department of Criminal Justice and Legal Studies includes two undergraduate programs: Legal Studies and Criminal Justice. The department supports Lambda Alpha Epsilon, the professional honor society and Phi Alpha Delta the Legal Studies professional fraternity. Satisfactory completion of program requirements leads to the degree of Bachelor of Science Degree. In the professional curriculum, students study respiratory therapy skills, pharmacology, life support, disease and patient assessment, and patient management. Upon completion of the undergraduate program, the baccalaureate prepared individual will possess basic and advanced practice 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. This is a limited access program and requires a separate application to the program by February 1st of the year in which admission to the program is sought.

Program in Cardiopulmonary Sciences

Director: Jeff Ludy; HPA 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, disease and patient assessment, and patient management. Upon completion of the undergraduate program, the baccalaureate prepared individual will possess basic and advanced practice 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).

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...
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 their 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 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 modalities, administration, education, and quality management.

The Radiologic Sciences Program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for admission to the Radiography certification exam administered by the American Registry of Radiologic Technologists (ARRT).

The program works in conjunction with Arnold Palmer Hospital, Central Florida Regional Hospital, Drew Medical, Health Central, HealthSouth Diagnostic Center, Jewett Orthopedic Clinic, Orlando Regional Medical Center, Orlando Regional Lucerne Hospital, Regional 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, Guilo, Hagerstrom, Hennig, Holcomb, Hoyt, Kiehl, Kiekt, Ladores, Lafferty, Lange, Leli, Mayer, Powel, Pelliccio, Peterson, Rudner, Ruland, Savitz, Sheplan, F. Smith, Lisa Smith, Lynn 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 baccalaureate 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),
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, American Humanities
 Certificates: Non-Profit Management

**School of Social Work**

**Director:** TBA; HPA1 204; 407-823-2114

**Faculty:** Abel, Allgood, J. Davis, L. Davis, Gammonley, Green, Jacinto, Kohn, Leon, Maiden, Massey, Turnage, VanHook

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 counseling 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. This 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, American Humanities
 Certificates: Addictions, Aging Studies, Children's Services

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, American Humanities
 Certificates: Non-Profit Management

**School of Social Work**

**Director:** TBA; HPA1 204; 407-823-2114

**Faculty:** Abel, Allgood, J. Davis, L. Davis, Gammonley, Green, Jacinto, Kohn, Leon, Maiden, Massey, Turnage, VanHook

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 counseling 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. This 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, American Humanities
 Certificates: Addictions, Aging Studies, Children's Services
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 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.
The hospitality industry currently 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 42 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 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 brand new 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: 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.
<table>
<thead>
<tr>
<th>UCF DEGREE PROGRAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
</tr>
<tr>
<td>Actuarial Science</td>
</tr>
<tr>
<td>Advertising/Public Relations</td>
</tr>
<tr>
<td>Aerospace Engineering</td>
</tr>
<tr>
<td>Anthropology</td>
</tr>
<tr>
<td>Art</td>
</tr>
<tr>
<td>Art - Animation Track</td>
</tr>
<tr>
<td>Art - History Track</td>
</tr>
<tr>
<td>Art - Studio Track</td>
</tr>
<tr>
<td>Art Education</td>
</tr>
<tr>
<td>Biology</td>
</tr>
<tr>
<td>Biology - Preprofessional Concentration</td>
</tr>
<tr>
<td>Cardiopulmonary Sciences</td>
</tr>
<tr>
<td>Chemistry</td>
</tr>
<tr>
<td>Civil Engineering</td>
</tr>
<tr>
<td>Civil Engineering - Construction Engineering Concentration</td>
</tr>
<tr>
<td>Communicative Disorders</td>
</tr>
<tr>
<td>Computer Engineering</td>
</tr>
<tr>
<td>Computer Engineering - Software Engineering Concentration</td>
</tr>
<tr>
<td>Computer Science</td>
</tr>
<tr>
<td>Criminal Justice</td>
</tr>
<tr>
<td>Criminal Justice - A.S. to B.S. Track</td>
</tr>
<tr>
<td>Digital Media</td>
</tr>
<tr>
<td>Early Childhood Education</td>
</tr>
<tr>
<td>Economics (B.A. &amp; B.S.B.A.)</td>
</tr>
<tr>
<td>Economics - Accelerated Undergraduate-Graduate Program</td>
</tr>
<tr>
<td>Electrical Engineering</td>
</tr>
<tr>
<td>Electrical Engineering - Microelectronics Concentration</td>
</tr>
<tr>
<td>Electrical Engineering - Wireless Communication Concentration</td>
</tr>
<tr>
<td>Electrical Engineering Technology - Computer Systems Concentration</td>
</tr>
<tr>
<td>Electrical Engineering Technology - Electrical Systems Concentration</td>
</tr>
<tr>
<td>Electrical Engineering Technology - A.S. to B.S.E.E.T. Track</td>
</tr>
<tr>
<td>Electrical Engineering Technology - Photonics Track (B.S.E.E.T.)</td>
</tr>
<tr>
<td>Elementary Education</td>
</tr>
<tr>
<td>Engineering Technology - Design Concentration</td>
</tr>
<tr>
<td>Engineering Technology - Operations Concentration</td>
</tr>
<tr>
<td>Engineering Technology - Space Systems Concentration</td>
</tr>
<tr>
<td>English - Creative Writing</td>
</tr>
<tr>
<td>English - Literature</td>
</tr>
<tr>
<td>English - Technical Writing</td>
</tr>
<tr>
<td>English Language Arts Education</td>
</tr>
<tr>
<td>Environmental Engineering</td>
</tr>
<tr>
<td>Exceptional Student Education</td>
</tr>
<tr>
<td>Film - B.F.A.</td>
</tr>
<tr>
<td>Film - Cinema Studies Track</td>
</tr>
<tr>
<td>Film - World Cinema Track</td>
</tr>
<tr>
<td>Finance</td>
</tr>
<tr>
<td>Foreign Language Education - French</td>
</tr>
<tr>
<td>Foreign Language Education - Spanish</td>
</tr>
<tr>
<td>Forensic Science - Analysis Track</td>
</tr>
<tr>
<td>Forensic Science - Biochemistry Track</td>
</tr>
<tr>
<td>French</td>
</tr>
<tr>
<td>General Business</td>
</tr>
<tr>
<td>General Business - A.S. to B.S. Track</td>
</tr>
<tr>
<td>Health Information Management</td>
</tr>
<tr>
<td>Health Sciences - Athletic Training Track</td>
</tr>
<tr>
<td>Health Sciences - Generalist Track</td>
</tr>
<tr>
<td>Health Services Administration</td>
</tr>
<tr>
<td>History</td>
</tr>
<tr>
<td>History - Accelerated Undergraduate-Graduate Program</td>
</tr>
<tr>
<td>Hospitality Management</td>
</tr>
<tr>
<td>Hospitality Management A.S. to B.S. Track</td>
</tr>
<tr>
<td>Humanities</td>
</tr>
<tr>
<td>Humanities - Popular Culture Track</td>
</tr>
<tr>
<td>Humanities - Religious Studies Track</td>
</tr>
<tr>
<td>Industrial Engineering</td>
</tr>
<tr>
<td>Informational Systems Technology - A.S. to B.S. Track</td>
</tr>
<tr>
<td>Information Systems Technology Information Technology</td>
</tr>
<tr>
<td>Interpersonal Communication</td>
</tr>
<tr>
<td>Journalism</td>
</tr>
<tr>
<td>Legal Studies</td>
</tr>
<tr>
<td>Liberal Studies</td>
</tr>
<tr>
<td>Liberal Studies - Computer Information Technology Track</td>
</tr>
<tr>
<td>Liberal Studies - Environmental Studies Track</td>
</tr>
<tr>
<td>Liberal Studies - Liberal Arts Track</td>
</tr>
<tr>
<td>Liberal Studies - Nanoscience &amp; Nanotechnology Track</td>
</tr>
<tr>
<td>Liberal Studies - Women's Studies Track</td>
</tr>
<tr>
<td>Liberal Studies - Accelerated Undergraduate-Graduate Program</td>
</tr>
<tr>
<td>Liberal Studies - A.S. to B.S. Track</td>
</tr>
<tr>
<td>Management</td>
</tr>
<tr>
<td>Management Information Systems</td>
</tr>
<tr>
<td>Marketing</td>
</tr>
<tr>
<td>Mathematics - Applied Track</td>
</tr>
<tr>
<td>Mathematics - Computational Track</td>
</tr>
<tr>
<td>Mathematics - Engineering/Physics Track</td>
</tr>
<tr>
<td>Mathematics - Pure Track</td>
</tr>
<tr>
<td>Mathematics Education</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
</tr>
<tr>
<td>Modern Language Combination</td>
</tr>
<tr>
<td>Molecular Biology and Microbiology</td>
</tr>
<tr>
<td>Music</td>
</tr>
<tr>
<td>Music Education</td>
</tr>
<tr>
<td>Music Performance</td>
</tr>
<tr>
<td>Nursing</td>
</tr>
<tr>
<td>Nursing - R.N. to B.S.N. Track</td>
</tr>
<tr>
<td>Nursing - R.N. to M.S.N. Track</td>
</tr>
<tr>
<td>Nursing Accelerated Second Degree B.S.N. Option</td>
</tr>
<tr>
<td>Nursing - A.S. to B.S.N. Track</td>
</tr>
<tr>
<td>Organizational Communication</td>
</tr>
<tr>
<td>Philosophy</td>
</tr>
<tr>
<td>Photography</td>
</tr>
<tr>
<td>Philosophy, Religion and Popular Culture</td>
</tr>
<tr>
<td>Physical Education</td>
</tr>
<tr>
<td>Physics</td>
</tr>
<tr>
<td>Political Science</td>
</tr>
<tr>
<td>Political Science - International Studies Track</td>
</tr>
<tr>
<td>Political Science - Prelaw Track</td>
</tr>
<tr>
<td>Psychology (B.A. &amp; B.S.)</td>
</tr>
<tr>
<td>Public Administration</td>
</tr>
<tr>
<td>Radio - Television</td>
</tr>
<tr>
<td>Radiologic Sciences</td>
</tr>
<tr>
<td>Radiologic Sciences - A.S. to B.S. Track</td>
</tr>
<tr>
<td>Restaurant and Foodservice Management</td>
</tr>
<tr>
<td>Science Education - Biology</td>
</tr>
<tr>
<td>Science Education - Chemistry</td>
</tr>
<tr>
<td>Science Education - Physics</td>
</tr>
<tr>
<td>Social Sciences</td>
</tr>
<tr>
<td>Social Science Education</td>
</tr>
<tr>
<td>Social Work</td>
</tr>
<tr>
<td>Sociology</td>
</tr>
<tr>
<td>Spanish</td>
</tr>
<tr>
<td>Sports and Fitness</td>
</tr>
<tr>
<td>Statistics</td>
</tr>
<tr>
<td>Technical Education and Industry Training Theatre (B.A. &amp; B.F.A.)</td>
</tr>
<tr>
<td>Theatre - Musical Theatre Track</td>
</tr>
</tbody>
</table>
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
     - Required: SPC 1600
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations
     - Select MAC 1105 College Algebra 3 hrs
     - Select CS 2100C Computer Fund. for Bus 3 hrs
   - D. Social Foundations
     - Select ECO 2013 Macroeconomics or ECO 2023 Microeconomics 3 hrs
     - Select one: PSY 2012, SYG 2000, ANT 2000 3 hrs
   - E. Science Foundation 6 hrs

2. Common Program Prerequisites
   - Must be completed with a "C" (2.0) or better
   - ACG 2021 Principles of Financial Accounting
   - ACG 2071 Principles of Managerial Accounting
   - ECO 2013 Macroeconomics
   - ECO 2023 Microeconomics
   - *ECO 3401 Quantitative Business Tools I
   - CGS 2100C Computer Fundamentals for Business
   - At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

3. Common Body of Knowledge (30 hrs)
   - First Semester in the College of Business Administration:
     - GEB 3031 Cornerstone 6 hrs
     - GEB 3356 Intro to International Business 3 hrs
   - First or subsequent semesters depending on major:
     - 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-" (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)
     - ACG 3131 Financial Accounting Concepts and Analysis
     - ACG 3501 Accounting and Auditing in the Public Sector
     - ACG 4651 Auditing

6. Area Specialization/Concentration Requirements
   - (9 hrs)
     - Select one from the following area specialization options:
       - A. Public Accounting
         - ACG 3141 Intermediate Financial Accounting
         - ACG 3501 Accounting and Auditing in the Public Sector
         - ACG 4651 Auditing
       - B. Managerial Accounting
         - ACG 4671 Internal Auditing
         - ACG 5346 Intermediate Managerial Accounting
         - FIN 3414 Intermediate Corporate Finance
       - C. Accounting Information Systems
         - ACG 4671 Internal Auditing
         - ACG 5405 Advanced Accounting Information Systems
         - ISM 3005 MIS Techniques
       - D. Governmental and Not-For-Profit Accounting
         - ACG 3501 Accounting and Auditing in the Public Sector
         - ACG 4671 Internal Auditing
         - ACG 5517 Financial Accounting and Auditing for Governmental and Nonprofit Organization
       - E. General Accounting
         - Select one additional financial reporting course:
           - ACG 3141 Intermediate Financial Accounting
           - ACG 3501 Accounting and Auditing in the Public Sector
         - Select one auditing course:
           - ACG 4651 Auditing
           - ACG 4671 Internal Auditing
       - 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.

7. Restricted Electives
   - (3 hrs)
     - Students may choose among the following accounting and accounting-related business courses:
       - ACG 3131 Financial Accounting Concepts and Analysis
       - ACG 3361 Intermediate Managerial Accounting
       - ACG 3141 Intermediate Financial Accounting
       - ACG 3501 Accounting and Auditing in the Public Sector
       - ACG 4401 Accounting Information Systems
       - ACG 4651 Auditing
       - ACG 4671 Internal Auditing
       - ACG 4892 Approved Special Topics Courses in Accounting
       - ACG 4970H** Honors Thesis in Accounting
       - TAX 4001 Taxation of Business Entities
       - ACG 5346 Advanced Managerial Accounting
       - ACG 5405 Advanced Accounting Information Systems
       - ACG 5517 Governmental and Nonprofit Accounting
       - ACG 5205 Advanced Financial Accounting
       - BUL 5332 Advanced Business Law Topics
       - FIN 3414 Intermediate Corporate Finance
       - FIN 4453 Financial Models
       - ISM 3005 MIS Techniques
       - ISM 4212 Database Management Systems
       - TAX 5015 Advanced Taxation Topics

**Enrollment restricted to students accepted into the Honors in the Major Program

UCF DEGREE PROGRAMS
UCF Degree Programs

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 least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.
- 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 4900 Directed Readings in Accounting 3 hrs
- *ACG 4900 Honors Seminar in Accounting 3 hrs
- ACG 4970 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.

Eligibility: American Sign Language for the foreign language exit requirement, the CPA Examination Requirements

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 homepage 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, Macroeconomics, Micro-economics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisite class.

- ACG X001 and X011 will substitute for ACG 2021 at UCF.

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

- 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.

FOUR YEAR PLAN OF STUDY - ACCOUNTING

Freshman

<table>
<thead>
<tr>
<th>1st Term</th>
<th>2nd Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101*</td>
<td>3</td>
</tr>
<tr>
<td>Cull-Hist I*</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105*</td>
<td>3</td>
</tr>
<tr>
<td>PSY/SOC/ANT</td>
<td>3</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>3</td>
</tr>
<tr>
<td>Total: 15 hrs</td>
<td>15 hrs</td>
</tr>
</tbody>
</table>

Sophomore

<table>
<thead>
<tr>
<th>1st Term</th>
<th>2nd Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2023*</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021*</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3</td>
</tr>
<tr>
<td>***Elective</td>
<td>3*</td>
</tr>
<tr>
<td>***Elective</td>
<td>3*</td>
</tr>
<tr>
<td>***Elective</td>
<td>3</td>
</tr>
<tr>
<td>*C (2.0) or better grade required in each class</td>
<td></td>
</tr>
<tr>
<td>**Accounting majors must have a “C” (2.0) or better in each class in the major to include law and tax and a 2.0 GPA in major</td>
<td></td>
</tr>
</tbody>
</table>

Junior

<table>
<thead>
<tr>
<th>1st Term</th>
<th>2nd Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3033</td>
<td>6</td>
</tr>
<tr>
<td>*BUL 3130</td>
<td>3</td>
</tr>
<tr>
<td>***ISM 3011</td>
<td>3</td>
</tr>
<tr>
<td>**ACG 3130</td>
<td>3</td>
</tr>
<tr>
<td>**ACG 4401</td>
<td>3</td>
</tr>
<tr>
<td>**ACG 3361</td>
<td>3</td>
</tr>
<tr>
<td>**Accounting majors must have a “C” (2.0) or better in each class to include law and tax and a 2.0 GPA in major</td>
<td></td>
</tr>
</tbody>
</table>

Senior

<table>
<thead>
<tr>
<th>1st Term</th>
<th>2nd Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>**TAX 4001</td>
<td>3</td>
</tr>
<tr>
<td>ACG Specialization</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>3</td>
</tr>
<tr>
<td>**ACG Specialization</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>3</td>
</tr>
<tr>
<td>**Accounting majors must have a “C” (2.0) or better in each class to include law and tax and a 2.0 GPA in major</td>
<td></td>
</tr>
</tbody>
</table>

ACTUARIAL SCIENCE (B.S.)

College of Arts and 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

L. Guo, 407-823-5532

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.
- 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 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** (39 hrs)
   - 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)
   - COP 5302C Computer Science I 3 hrs
   - ECO 2013 Princ of Macroeconomics 3 hrs
   - MAC 2311 Calculus with Analy Geo I 3 hrs
   - STA 2023 Statistical Methods I 3 hrs

3. **Core requirements** (44 hrs)
   - STA 2023 Statistical Methods I 3 hrs
   - STA 4321 Statistical Theory I 3 hrs
   - STA 4322 Statistical Theory II 3 hrs
   - STA 4502 Pracxicum Act Science 3 hrs
   - STA 4183 Theory of Interest 3 hrs
   - STA 4130 Life Contingencies I 3 hrs
   - STA 4131 Life Contingencies II 3 hrs
   - STA 4942 Practicum Act Science 3 hrs
   - STA 5646 Casualty Insurance 3 hrs
   - STA 5139 Credibility Theory and Loss Distributions 3 hrs
   - STA 5852 Applied Time Series 3 hrs
   - STA 5875 Demographic Statistics 3 hrs
   - STA 4183 Theory of Gradient 3 hrs
   - STA 4081 Problems in Actuarial Science 3 hrs
   - STA 5137 Credibility Theory and Loss Distribution 3 hrs
   - STA 5646 Casualty Insurance 3 hrs

4. **Restricted Upper Division Electives** (15 hrs)
   - STA 2023 Statistical Methods I
   - STA 3032 Statistical Methods II
   - STA 4183 Theory of Interest
   - STA 4942 Practicum Act Science

5. **Departmental Exit Requirements**
   - Earn 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 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:** Mathematics, Mathematics Education, Statistics

**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 5302C*: any COP programming language course.
- However, COP 5302C 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 requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

**Summer**
- Math test See catalog 0

**Freshman Year**
- Fall
  - ECO 2013 Prin of Macroeconomics 3 hrs
  - MAC 2311 Calculus with Analy Geo I 4 hrs
  - STA 2023 Statistical Methods I 3 hrs
  - PHY 2053C College Physics I 4 hrs
  - ENC 1101 Composition I 3 hrs
  - PHI 2010* dev# 1B3-GEP 3 hrs
  - PSY 2012* dev# 1D2-GEP 3 hrs
  - BSC 2010C Biology I 4 hrs

- Spring
  - ECO 2023 Prin of Microeconomics 3 hrs
  - MAC 2312 Calculus with Analy Geo II 4 hrs
  - STA 2023 Statistical Methods I 3 hrs
  - PHY 2054C College Physics II 4 hrs
  - ENC 1102 Composition II 3 hrs
  - STA 2023 Statistical Methods I 3 hrs
  - STA 4321 Stat Theory I 3 hrs
  - STA 4322 Stat Theory II 3 hrs

**Sophomore Year**
- Fall
  - STA 4183 Theory of Interest 3 hrs
  - STA 4942 Practicum Act Science 3 hrs
  - STA 5646 Casualty Insurance 3 hrs
  - STA 5139 Credibility Theory and Loss Distribution 3 hrs
  - STA 5875 Demographic Statistics 3 hrs

- Spring
  - STA 4183 Theory of Interest 3 hrs
  - STA 4942 Practicum Act Science 3 hrs
  - STA 5646 Casualty Insurance 3 hrs
  - STA 5139 Credibility Theory and Loss Distribution 3 hrs
  - STA 5875 Demographic Statistics 3 hrs

**Junior Year**
- Fall
  - STA 4183 Theory of Interest 3 hrs
  - STA 4942 Practicum Act Science 3 hrs
  - STA 5646 Casualty Insurance 3 hrs

- Spring
  - STA 4183 Theory of Interest 3 hrs
  - STA 4942 Practicum Act Science 3 hrs

**Graduation:** none

UCF Degree Programs
ADVERTISING/PUBLIC RELATIONS (B.A.)
College of Arts and Sciences
Nicholson School of Communication, COM 250
407-823-2829
http://www.cas.ucf.edu/communication
E-mail: ad-pr@ucf.edu
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, 2005 for Spring 2006
  - Feb 1, 2006 for Summer 2006
  - July 1, 2006 for Fall 2006

- Attain an overall minimum 2.25 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 the 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.
- 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 Nicholson School of Communication.
- Students electing both a major and minor in the School must take the minor courses in excess of the 120 hours required for graduation.
- Students enrolled in the major may not take more than 40 total credit hours from the Nicholson School of Communication.
- Students enrolled in the major must take at least 65 hours in the liberal arts and at least 80 hours outside the Nicholson School of Communication.
- 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

2. Common Program Prerequisites

3. Core requirements

4. School Exit Requirements

5. Foreign Language Requirements

6. External Restricted Electives

7. University Minimum Exit Requirements

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.

STUDENT SERVICES
- Have an interest in a field that is not currently offered at UCF?
- Need information about an area of study?
- Want to speak with a knowledgeable advisor?
- Need assistance with other issues?
- Visit the Student Advising and Career Center (SACC) in the Student Center or call (407) 823-2005.

Contact Information:
- Bob Davis, Department Chair
- Office: COM 250
- Phone: 407-823-2829
- E-mail: ad-pr@ucf.edu
### 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

R. H. Chen, Associate Chair, ENGR 307; E-mail: chenrh@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 entering students.

**UCF GEP and the allowable substitutions:**

- Humanities courses, and the Social Science courses.
- Satisfy UCF GEP sub-requirements as do ENC 1101, ENC 1102, the Gordon Rule.
- Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.
- Technical elective for transfer students.
- May be substituted by an approved Aerospace Engineering technical elective.

**Technical Electives:**

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.

---

### 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 the Florida State University/ Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

#### A. Communication Foundations
1. Take ENC 1101
2. Take ENC 1102
3. Prefer SPC 1016

#### B. Cultural and Historical Foundations
1. Take MAC 2311, Calculus with Analytic Geometry I (4hrs)

**Note:**
- College algebra and trigonometry are prerequisites for Calculus I. See the course descriptions.
- Take STA 3023 (3 hrs).
- Calculate II is the prerequisite for this course.

#### C. Mathematical Foundations
1. Take PHY 2048/48L

#### 2. Common Program Prerequisites (CPP's)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 1440</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048/48L</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Humanities</td>
<td></td>
</tr>
<tr>
<td>GEP</td>
<td></td>
</tr>
<tr>
<td>Social Sciences</td>
<td></td>
</tr>
<tr>
<td>Humanities</td>
<td></td>
</tr>
<tr>
<td>Social Sciences</td>
<td></td>
</tr>
</tbody>
</table>

### 3. Courses Required for the Major

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.

Independently study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1111C</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3334</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 3706</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3573</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3023</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EAS 3010</td>
<td>1 hr</td>
</tr>
<tr>
<td>EAS 3101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3800C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3810C</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EAS 4105</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4134</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4200</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4530</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4900</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4505</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4300</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3034</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4312</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3701</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3494C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4535C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 4. Approved Technical Electives

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**

- EGN 4412C Interdisciplinary Design I or EAS 4700C Aerospace Design I 3 hrs
- EGN 4413C Interdisciplinary Design II or EAS 4710C Aerospace Design II 3 hrs
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

**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. 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.

**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 freshman students only. The two credit hours for these courses may be substituted by an approved Aerospace Engineering technical elective for transfer students.
UCF Degree Programs

Tentative Course Schedule for Entering Freshmen

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Aerospace Engineering 128 semester hours required

**FIRST YEAR**

Fall (14 cred hrs, 18 cont hrs)¹
- ENC 1101 English Comp I 3
- CHS 1440 Chem for Eng 4
- MAC 2311 Calculus I 4
- EGN 1006 Intro to Eng Prof 1
- EGN 1111C Eng Comp Graphics 2

Summer (10 credit hrs, 10 contact hrs)¹, 3
- MAC 2313 Calculus III 4
- EMA 3706 Struct & Prop of Aerospace Mat 3
- *Social Foundations 3

**SECOND YEAR**

Fall (14 cred hrs, 17 cont hrs)¹
- Humanities/History1a 3
- MAP 2302 Diff Equations 3
- *PHY 2049 Phys Eng II w/lab 4
- EGM 3601 Solid Mechanics 3
- EAS 3010 Fund of Aerosp Flight 1

Spring (15 cred hrs, 19 cont hrs)¹
- ENC 1007 : Eng Conc/Meth 1
- *EAS 1120 English Comp II 3
- MAC 2312 Calculus II 3
- *PHY 2048 Phys Eng/Sci I w/lab 4
- *SPE 1016 Tech Presentations 3

**THIRD YEAR**

Fall (15 cred hrs, 19 cont hrs)
- EAS 3010 Fund of Aerosp Flight 3
- EAS 3810 Eng Anal - Statics 3
- EAS 3400 Aircraft Design or
- EGM 3601 Solid Mechanics 3
- EAS 3530 Space Sys Concepts or
- EAS 3101 Fund of Avionics 3

Spring (14 cred hrs, 18 cont hrs)¹ ²
- EAS 3810 Eng Anal - Dynamics 3
- EAS 3400 Aircraft Design or
- EAS 3530 Space Sys Concepts or
- EGM 3601 Solid Mechanics 3

**FOURTH YEAR**

Fall (12 cred hrs, 18 cont hrs)
- EMA 3706 Struct & Prop of Aerospace Mat 3
- EAS 4105 Flight Mechanics 3
- EAS 4700C Aerospace Design I 3
- or
- EGN 4412C Interdisciplinary Design I

Spring (14 cred hrs, 18 cont hrs)¹ ²
- EAS 4105 Flight Mechanics 3
- EAS 4710C Aerosp Design II 3
- or
- EGM 4412C Interdisciplinary Design II
- EGN 1111C Eng Comp Graphics 2

Notes:
1. Courses marked with an asterisk (*) are also available from most Community Colleges and are often part of their Pre-Engineering AA programs. Most of these courses are part of the UCF General Education Program; see the section on the GEP elsewhere in this catalog for further information.
2. Students should 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 their faculty advisor frequently to ensure they are making satisfactory progress toward their degree.
3. 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.
4. Aerospace engineering students must earn at least 32 hours in residence at UCF.

Important Notice
- Bolded courses should be taken in the term noted or in a previous term if your schedule permits and as long as all prerequisites for that course have been met.
- These courses are given only during the term noted in this program of study, therefore it is imperative that you take them in the suggested sequence. Failure to do so may result in a considerable delay in the date of your graduation.
- Non-bolded courses may be taken at any time as long as all prerequisites for that course have been met. 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 3034 (*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 BS/MS Degree Program

The Mechanical, Materials, and Aerospace Engineering Department offers the Integrated BS/MS program to students of high academic standing. This program allows up to nine graduate hours to be substituted for specified BS requirements. See advisor for appropriate substitutions.

ANIMATION TRACK in ART

See Art - Animation Track

ANTHROPOLOGY (B.A.)

College of Arts and Sciences
E-mail: anthropology@ucf.edu
J. Corzine, 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 regular study scheduled 3000-4000 level courses must be taken from the UCF Sociology and 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.
- 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 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations
     - Select MAC 1105 College Algebra (or higher) 3 hrs
     - Select STA 2023 Statistical Methods I 3 hrs
   - D. Social Foundations
     - Select one: ECO 2013, ECO 2023, POS 2041 3 hrs
     - Select ANT 2000 General Anthropology 3 hrs
   - E. Science Foundations
     - Select one: PSC 1121, PHY 2053C, CHM 1020 3 hrs
     - Select ANT 2511 The Human Species 3 hrs

2. Common Program Prerequisites (0 hrs)
   - ANT 2000* General Anthropology
   - ANT 2511* The Human Species
     - *See Transfer Notes for possible substitutes

3. Core Requirements: Lower Level (6 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:

- AN 3145: Archaeology of Complex Societies 3 hrs
- AN 3640: Language and Culture 3 hrs
- AN 4034: History of Anthropological Thought 3 hrs
- AN 4586: Human Origins 3 hrs

5. Area Study (3 hrs)

All students are required to take one of the following courses:

- AN 3163: Mesoamerican Archaeology
- AN 3164: Ancient Incas
- AN 3168: Maya Archaeology (or ANG 6168)
- AN 3311: Indians of the SE US
- AN 3312: Ethnology of North American Indians
- AN 3313: Indians of N American High Plains
- AN 3314: Indians of the Northeast Woodlands
- AN 3315: Indians of the Northwest Coast
- AN 3319: The Anthropology of Diaspora
- AN 3332: Peoples and Culture of Latin America
- AN 3340: Caribbean Cultures
- AN 3363: Anthropology of Japan
- AN 4308: Gender issues in Latin America
- ANG 6324: Contemporary Maya

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).

- AN 3115: Archaeological Method and Theory
- AN 3142: Old World Prehistory
- AN 3159: Florida Archaeology
- AN 3184: Archaeology of Complex Societies
- AN 3212: Peoples of the World
- AN 3241: Magic, Ritual, and Belief
- AN 3245: Native American Religions
- AN 3262: Rural Society
- AN 3273: Law and Culture
- AN 3302: Sex, Gender, and Culture
- AN 3541: Biobehavioral Anthropology
- AN 3550: Primatology
- AN 3701: Applied Anthropology
- AN 4153: North American Archaeology
- AN 4189C: Seminar in Laboratory Analysis
- AN 4462: Medical Anthropology
- AN 4521C: Forensic Anthropology
- AN 4525C: Human Osteology
- AN 4624: Advanced Archaeological Field Work
- ANG 5166: Problems of Maya Archaeology
- ANG 5167: Maya Hieroglyphs
- ANG 5228: Maya Iconography

7. Departmental Exit Requirements

- A grade of “C” (2.0) or better in all courses used for the major
- Computer Competency met by AN 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 and Iberian 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:
- AN 2000: any ANT course. However, this course is a prerequisite and must be taken regardless.
- AN 2511: any ANT course. However, AN 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 alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

Fall
- AN 2000 General Anthro 3
- ENC 1101 Composition I 3
- MAC 1105 College Algebra 3
- STA 2023 Stat Methods I 3

Spring
- AN 2511 The Human Species 3
- APH 2050* req# 1B1-GEP 3
- ENC 1102 Composition II 3
- STA 2023 Stat Methods I 3

Sophomore Year

Fall
- AN 2100 Arch the of 3
- AN 3142 Old World Prehistory 3
- AN 3245 Native American Religions 3
- AN 3262 Rural Society 3

Spring
- AN 2511 The Human Species 3
- APH 2050* req# 1B1-GEP 3
- ENC 1102 Composition II 3
- STA 2023 Stat Methods I 3

Junior Year

Fall
- AN 3145 Arch of Cmplx Soc 3
- AN 3142* req# 1B3-GEP 3
- Elective* Check restrictions 3

Spring
- AN 3145 Arch of Cmplx Soc 3
- AN 3142* req# 1B3-GEP 3
- Elective* Check restrictions 3

Senior Year

Fall
- AN 3145 Arch of Cmplx Soc 3
- AN 3142* req# 1B3-GEP 3
- Elective* Check restrictions 3

Spring
- AN 3145 Arch of Cmplx Soc 3
- AN 3142* req# 1B3-GEP 3
- Elective* Check restrictions 3

ART (B.F.A.)

College of Arts and Sciences
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 and Animation majors must have continual access to a laptop computer. Contact the department for the
minimum hardware and software specifications.

**Admission Requirements**
- All junior level students in this program must satisfactorily complete the mandatory portfolio review before enrolling in upper division courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October. They must also have maintained at least a 2.5 overall GPA in all studio classes and at least a 2.5 GPA in ART 2201C and ART 2202C (Design Fundamentals) prior to their portfolio review.
- Students unable to satisfy the above requirements may continue in the Art Department as an Art History/Digital Studio Application track.
- Students may apply for the BFA Program in the first semester or their Junior year. If they have a 3.0 overall average in the Art Department and a 3.5 in their specialization they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- Animation B.F.A. majors should consult with an Animation advisor for admission requirements

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these must be in an area of specialization.
- Grades below “C+” (2.25) in lower level courses do not satisfy major requirements
- 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
   - B. Cultural and Historical Foundations
   - C. Mathematical Foundations
   - D. Social Foundations
   - E. Science Foundations

2. **Common Program Prerequisites** (18 hrs)
   - ART 2201C
   - ART 2203C*
   - ART 2300C*
   - ART 2301C*
   - ART 2050
   - ART 2051
   - GRA 2101C*
   - ART 2XX-4XX
   - *Transfer Notes for possible substitutes

3. **Core Requirements** (9 hrs)
   - ART 2020
   - ARH 2500
   - ART 2XX-4XX
   - ART 3950

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 2754C, ART 3760C, ART 3764C, ART 4783C)
   - Animation (ART 3616C, ART 4225C, ART 4971*, FIL 3286C, FIL 3287C, FIL 4288C, FIL 4289C)
   - Drawing (ART 3332C, ART 4320C)
   - Drawing/Printmaking Combination (ART 3332C, ART 4320C, ART 4402C)
   - Drawing/Illustration Combination (ART 3332C, GRA 3151C, ART 4320C, GRA 4154C*)

5. **Electives**
   - BFA 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, Fibers and Fabrics, Graphic Design, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio 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 examina-
   - 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
   - Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
   - ART 2203C*: A student may substitute ART 2202C.
   - GRA 2101C*: A student may substitute any three hour media 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-

**Related Programs:** Art History, Studio Art (BA), Art Education, Animation, 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:
- ART 2203C*: A student may substitute ART 2202C.
- GRA 2101C*: A student may substitute any three hour media 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-

---

**4154C**
- Graphic Design (GRA 3100C, GRA 3112C, GRA 2140C, GRA 4196C)
- Painting (ART 3504C, ART 4505C)
- Photography (PGY 2401C, PGY 4420C, PGY 4440C)
- Sculpture (ART 2701C, ART 4710C)*.
- *May be repeated for credit
### Admission Requirements
- Students should complete ART 2201C and ART 2300C before applying to be accepted in the Animation BFA.
- Students must submit a satisfactory drawing portfolio to be admitted to FIL 3286C.
- Students must maintain an overall minimum 3.0 GPA in the above courses.
- Applications must include a portfolio of work done in courses, such as drawings, design projects, computer graphics, animation work, and storyboards.

**Note:** Unfortunately, individual reviews are not possible due to the large number of applicants to this program.

**Animation requires submission of a portfolio. Submission deadline for Fall term is March 15.**

### 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 advisor.
- Departmental Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken within the UCF Art and Film programs.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### Core Requirements
- **(12 hrs)**
  - ART 2820 Art as Interface 3 hrs
  - ARH 2500 History of Western Art I 3 hrs
  - ARH 2501 History of Western Art II 3 hrs
  - ART 2201C Design Fundamentals 2-D 3 hrs
  - ART 2300C Drawing Fundamentals II 3 hrs
  - ART 3950 Portfolio Review 0

### Sophomore Year
- **Fall**
  - ARH 2050 History of Western Art I 3 hrs
  - EN 1101 Composition I 3 hrs
  - HUM 2211 Writing in English 3 hrs
  - MGF 1106 Elementary Mathematics 3 hrs
- **Spring**
  - ARH 2051 History of Western Art II 3 hrs
  - EN 1102 Composition II 3 hrs
  - HUM 2212 Writing in English 3 hrs
  - MGF 1107 Elementary Mathematics 3 hrs

### Junior Year
- **Fall**
  - ART 2300C Drawing Fundamentals I 3 hrs
  - CHM 1020 Introduction to Chemistry 3 hrs
  - POS 2041 Introduction to Political Science 3 hrs
  - SFS 2041 Introduction to Social Science 3 hrs
  - STA 1060 Intro to Statistics 3 hrs
- **Spring**
  - ART 2301C Drawing Fundamentals II 3 hrs
  - CHM 1021 Survey of College Chemistry 3 hrs
  - POS 2042 Introduction to Political Science 3 hrs
  - SFS 2042 Introduction to Social Science 3 hrs

### Senior Year
- **Fall**
  - ARH 2052 History of Western Art III 3 hrs
  - ART 2203C Design Fundamentals 2-D 3 hrs
  - CHM 1022 Survey of College Chemistry 3 hrs
  - POS 2043 Introduction to Political Science 3 hrs
  - SFS 2043 Introduction to Social Science 3 hrs
- **Spring**
  - ARH 2053 History of Western Art IV 3 hrs
  - ART 2204C Design Fundamentals 2-D 3 hrs
  - CHM 1023 Survey of College Chemistry 3 hrs
  - POS 2044 Introduction to Political Science 3 hrs
  - SFS 2044 Introduction to Social Science 3 hrs

### ART - ANIMATION TRACK (B.F.A.)

**College of Arts and Sciences**

**Animation, VAB 210, 407-823-3110, [http://www.art.ucf.edu/](http://www.art.ucf.edu/) then select “Programs”**

**E-mail:** animation@ucf.edu

L. Kilmer

**Note:** Although the department maintains a small computer lab for student use, Graphic Design and Animation majors must have continual access to a laptop computer. Contact the department for the minimum hardware and software specifications.

---

**1. UCF General Education Program** (36 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select a course from group B.1</td>
<td></td>
</tr>
<tr>
<td>Select ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select MGF 1106 Finite Mathematics</td>
<td></td>
</tr>
<tr>
<td>(may substitute a higher level math)</td>
<td></td>
</tr>
<tr>
<td>Select CJS 1060 Intro to Computer Sci</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td></td>
</tr>
</tbody>
</table>

**2. Common Program Prerequisites** (18 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2201C Design Fundamentals 2-D</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C Design Fundamentals 3-D</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 2101C Intro to Computer Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2XX-4XX any ART prefix, studio, media courses</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**3. Core Requirements** (12 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2820 Art as Interface</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2500 Survey of Non-Western Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any two upper level Art or Film History course</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

**4. Animation Upper Division Courses** (18 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3643C Digital Effects and Compositing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3286C Introduction to Animation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3297C Intermediate Animation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3410 History of Animated Films</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4286C Advanced Animation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4295C Animation Workshop</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**5. Elective in Art** (15 hrs)

Select five courses; two of which be lower division.

Select from at least three of the following areas, excluding the area of specialization:

- Ceramics
- Drawing
- Graphic Design
- Illustration
- Painting
- Photography
- Printmaking
- Sculpture
- Special Topics Studio Courses.

**6. Departmental Exit Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 4971 Thesis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Achieve at least a &quot;B&quot; GPA (3.0.0) in courses within the major</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Computer Competency met by CGS 1060C or GRA 2101C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**7. Language Requirements** (0-8 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mandatory requirement</td>
<td>0-8 hrs</td>
</tr>
</tbody>
</table>

**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 departmental advisor’s approval. May be outside of the department.

**9. University Minimum Exit Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 2.0 UCF GPA</td>
<td></td>
</tr>
<tr>
<td>60 semester hours earned after CLEP awarded</td>
<td></td>
</tr>
<tr>
<td>48 semester hours of upper division credit completed</td>
<td></td>
</tr>
<tr>
<td>30 of the last 36 hours of course work must be completed in residency at UCF</td>
<td></td>
</tr>
<tr>
<td>A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted</td>
<td></td>
</tr>
<tr>
<td>Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)</td>
<td></td>
</tr>
</tbody>
</table>

**Total Semester Hours Required** 120 hours

**Related Programs:** Art, Art Education, Art History, Film
ART 2203C*: A student may substitute ART 2202C prior to transferring to UCF:

- GRA 2101C Intro to Comp Art 3
- ART 2203C Design Fund 3
- POS 2041* req# 1D1-GEP 3
- CHM 1020* req# 1E1-GEP 3
- COM 1000* req# 1A3-GEP 3
- BSC 1005* req# 1E2-GEP 3

Sophomore Year

- ART 2820 Art as Interface 3
- MGF 1106* req# 1C1-GEP 3
- ART 2201C Design Fund 2 D 3
- ENC 1101 Composition I 3
- CGS 1060C Intro to Comp Sci 3
- ARH 2050 His of West Art I 3
- ARH 2051 His of West Art II 3

Fall Spring

Freshman Year

- ARH 2505 His of West Art I 3
- ENC 1101 Composition I 3
- HUM 2211* req# 1B1-GEP 3
- MGF 1106* req# 1C1-GEP 3
- ART 2203C Art as Interface 3

Sophomore Year

- COM 1000* req# 1A3-GEP 3
- POS 2041* req# 1D1-GEP 3
- ART 2203C Design Fund I 3
- ART 2300C Drawing Fundamentals I 3
- GRA 2101C Intro to Comp Art 3

Junior Year

- ART 3161* req# 3-Care 3
- GRA 3151C* req# 3-Care 3
- ART 3645C Dig Effects Compsmt 3
- SPN 1120* req# Lang/Elect 4

Senior Year

- ARH 2500 His of West Art 3
- FIL 4290C Advanced Animation 3
- PGY 3401C* req# 5-ResEl 3
- Elective* Check restrictions 3

Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

Fall

- ARH 2505 His of West Art I 3
- ENC 1101 Composition I 3
- HUM 2211* req# 1B1-GEP 3
- MGF 1106* req# 1C1-GEP 3
- ART 2203C Art as Interface 3

Sophomore Year

Fall

- COM 1000* req# 1A3-GEP 3
- POS 2041* req# 1D1-GEP 3
- ART 2203C Design Fund I 3
- ART 2300C Drawing Fundamentals I 3
- GRA 2101C Intro to Comp Art 3

Junior Year

Fall

- ART 3161* req# 3-Care 3
- GRA 3151C* req# 3-Care 3
- ART 3645C Dig Effects Compsmt 3
- SPN 1120* req# Lang/Elect 4

Senior Year

Fall

- ARH 2500 His of West Art 3
- FIL 4290C Advanced Animation 3
- PGY 3401C* req# 5-ResEl 3
- Elective* Check restrictions 3

Related Minors:

Art, Digital Media, Film

ART - HISTORY TRACK (B.A.)

College of Arts and Sciences

Admission 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 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
   - Take a course from group 1
   - Select ARH 2050 History of Western Art I 3 hrs
   - Select ARH 2051 History of Western Art I 3 hrs

C. Mathematical Foundations
   - Select MGF 1106 Finite Math (may substitute a higher level math) 3 hrs
   - Prefer STA 1060C Statistics Using Excel 3 hrs

D. Social Foundations
   - 6 hrs

E. Science Foundations
   - 6 hrs

2. Common Program Prerequisites (6 hrs)

- ART 2201C Design Fundamentals 2-D 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ARH 2050 History of Western Art I GEP 3 hrs
- ARH 2051 History of Western Art II GEP 3 hrs
- XXX 1120, 1121 Foreign Language or Proficiency 0-8 hrs

3. Core Requirements (21 hrs)

- ART 2820 Art as Interface 3 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

4. Restricted Electives (18 hrs)

a. One Non-Western Art History Course: 3 hrs
- ARH 3250 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 12 additional hours from following: 12 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

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

6. 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. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

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
Fall
ARH 2050 His of West Art I 3
ENC 1101 Composition I 3
HUM 2211* 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
ENC 1102 Composition II 3
STA 1060C Stat Using Excel 3

Sophomore Year
Fall
COM 1000* req# 1A3-GEP 3
POS 2041* req# 1D1-GEP 3
ART 2201C Design Fund 2 D 3
ART 2300C Drawing Fund I 3
ENC 3311 Adv Exp Writing 3

Spring
ART 2301C Drawing Fundamentals 2 3
ART 2500 History of Non-Western Art 3

Junior Year
Fall
ARH 4310 Italian Renais Art 3
ARH 4450 20th Century Art 3
ARH 3710* req# 4c-ResEl 3
ART 4650* req# 4c-ResEl 3
SPN 1121* req# Lang/Elect 4

Spring
ART 2820 Art As Interface 3

Senior Year
Fall
ARH 4350* req# 4b-ResEl 3
ARH 4912 Senior Thesis 3

Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
ART 4170* req# 4c-ResEl 3
ART 4906 Comprehensive exam 1

Elective* Check restrictions 3
Elective* Check restrictions 3

ART - STUDIO TRACK (B.A.)
College of Arts and Sciences
Art Department VAB 117, 407-823-2676
http://www.art.ucf.edu/
E-mail: art@ucf.edu

J. Chavda, 407-823-2676

Note: Although the department maintains a small computer lab for student use, Graphic Design and Animation majors must have continual access to a lap top computer. Contact the department for the minimum hardware and software specifications.

Continuation Requirements
■ All junior level students in this program must satisfactorily complete the mandatory portfolio review before enrolling in upper division courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October. They must also have maintained at least a 2.5 overall GPA in all studio classes and at least a 2.5 GPA in ART 2201C and ART 2203C (Design Fundamentals) prior to their portfolio review.
■ Students unable to satisfy the above requirements may continue in the Art Department in the Art History track.
■ A second portfolio is required for the Graphic Design Specialization. Deadline for application is the first week of March prior to beginning the Fall of the Junior year

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Grades below “C+” (2.25) in lower level courses do not satisfy major requirements
■ Co-op credit cannot be used in the major
■ Students should consult with a departmental advisor in their specialization
■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Art. Nine of these must be in an area of specialization.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (36 hrs)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations
   Select a course from group B.1 3 hrs
   Select ARH 2050 The History of Western Art I 3 hrs
   Select a course from either group B.1 or B.2 3 hrs
C. Mathematical Foundations
   Select 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 (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
   ART 2301C Drawing Fundamentals II 3 hrs
   ARH 2050 The History of Western Art I GEP 3 hrs
   ARH 2051 The History of Western Art II 3 hrs
   GRA 2101C Intro to Computer Art 3 hrs
   ART 2XXX-4XXX any ART prefix, studio or media course 3 hrs
   *See Transfer Notes for possible substitutes

3. Core (6 hrs)
   ART 2820 Art As Interface 3 hrs
   ARH 2500 History of Non-Western Art 3 hrs

4. Restricted Electives (27 hrs)
   Specialization: Select nine upper division courses from at least three areas: (classes with an asterisk may be repeated for credit)
   Art History (any upper level ARH courses)
   Ceramics (ART 3760C, ART 4783C*)
   Drawing and Printmaking (ART 332C, ART 4320C*, ART 4420C*)
   Illustration (GRA 3151C, GRA 4154C*)
   Painting (ART 3504C, ART 4505C*)
   Photography (PGY 2401C, PGY 4420C*, PGY 4440C)
   Sculpture (ART 2701C, ART 4710C*)
   Type & Design (GRA 3113C*)
   *may be repeated for credit

5. Departmental Exit Requirement
■ Achieve at least a “C” GPA (2.0) in courses within the major
■ Computer Competency met by STA 1060C or GRA 2101C

6. Foreign Language Requirements (0-8 hrs)
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a 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
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
## UCF Degree Programs

- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

### 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:
  - ART 2203C: may substitute 3 hours of ART 2202
  - GRA 2101C: may substitute 3 hours of any media course

### Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be alternated 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 2505 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 2211* req# 181-GE</td>
<td>STA 1060C Stat Using Excel</td>
</tr>
<tr>
<td>MGF 1105* req# I1-GEP</td>
<td>ART 2201C Design Fund 2 D</td>
</tr>
<tr>
<td>ART 2820 Art as Interface</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>COM 1000* req# 1A3-GEP</td>
</tr>
<tr>
<td>POS 2041* req# 1D1-GEP</td>
</tr>
<tr>
<td>ART 2203C Design Fund 3 D</td>
</tr>
<tr>
<td>ART 2300C Drawing Fund I</td>
</tr>
<tr>
<td>GRA 2101C Intro to Comp Art</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>ART 3324* req# 4-ResElect</td>
</tr>
<tr>
<td>GRA 3151C* req# 4-ResElect</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>SPN 1120* req# Lang/Elect</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>ARH 4505* req # 4-ResElect</td>
</tr>
<tr>
<td>ART 4200* req # 4-ResElect</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

### ART EDUCATION (B.S.)

#### College of Education

**Department of Teaching and Learning Principles**

**ED 209**

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

### 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>ENC 1102 Composition II</td>
</tr>
<tr>
<td>SPC 1600 Fundamentals of Oral Communication</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B. Cultural-Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2100 U.S. History 1492-1877</td>
<td>AMH 2020 U.S. History 1877-Present</td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C. Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td></td>
</tr>
<tr>
<td>Select one:</td>
<td></td>
</tr>
<tr>
<td>STA 1060C Basic Statistics using MS Excel or</td>
<td></td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D. Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td></td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E. Science Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC 1121 Physical Science</td>
<td></td>
</tr>
<tr>
<td>Select one:</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>

### 2. Common Program Prerequisites (43 hrs)

<table>
<thead>
<tr>
<th>A. Communications</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td></td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td></td>
</tr>
<tr>
<td>SPC 1600 Fundamentals of Oral Communication</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B. Humanities</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>ARH 2050 History of Western Art I</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C. Mathematics</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
<td></td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td></td>
</tr>
<tr>
<td>One of the following (per GEP)</td>
<td></td>
</tr>
<tr>
<td>STA 1060C Basic Statistics using MS Excel or</td>
<td></td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D. Social Science/History</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2100 U.S. History 1492-1877</td>
<td></td>
</tr>
<tr>
<td>AMH 2020 U.S. History 1877-Present</td>
<td></td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td></td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E. Science</th>
<th>(9 hrs + lab)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC 1121 Physical Science</td>
<td></td>
</tr>
<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>
<tr>
<td>Select one:</td>
<td></td>
</tr>
<tr>
<td>AST 2002 Astronomy or</td>
<td></td>
</tr>
<tr>
<td>GEO 1200 Physical Geography or</td>
<td></td>
</tr>
<tr>
<td>GLY 1030 Geology and its Applications</td>
<td></td>
</tr>
<tr>
<td>Select one associated science lab:</td>
<td></td>
</tr>
<tr>
<td>BSC1005L Biological Principles Laboratory or</td>
<td></td>
</tr>
<tr>
<td>RES 1211L Physical Science Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>F. Education Courses</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2050 Introduction to Education</td>
<td></td>
</tr>
<tr>
<td>EDF 2701 Teaching Diverse Populations</td>
<td></td>
</tr>
<tr>
<td>EMC 2040 Technology for Educators</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>G. Diversity Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>H. Other Program Prerequisites</td>
<td>(24 hrs)</td>
</tr>
</tbody>
</table>

*ARH 2051 History of Western Art II |
*ART 2201C Designs Fundamentals I |
*ART 2200C Designs Fundamentals II |
*ART 2300C Drawing Fundamentals I |
*ART 2301C Drawing Fundamentals II |
*GRA 2101C Intro to Computer Graphics |
*ART 2754C Ceramics |
*ART 2500C Painting |

*Prerequisites for all 3000 and 4000 core and elective ARE and ART courses.

### 3. Education Core Requirements (15 hrs)

| EGR 4033 Professional Teaching Practices |
| EDF 4031 Analysis of Critical Issues in Education |
| EDF 4214 Classroom Learning Principles |
| TSL 4080 Theory and Practice of Teaching ESOL |
| RED 4043 Content Reading K-12 |

### 4. Internship I (ESE 3940) (3 hrs)
Program Internship I Prerequisites: EDG 4323 and at least 50% of all required art 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. Core Requirements (9 hrs)
- ARE 4356 Teaching Art Appreciation & Criticism 3 hrs
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs

6. Restricted Electives (9 hrs)
Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval)

7. Internship II (ESE 4943) (12 hrs)
- All art courses and all methods courses must be completed 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

8. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

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 127 hrs
At the time this catalog went to press, actions were underway to reduce this degree program length to 126 hours. Consult with your advisor and review your degree audit for more recent information.

12. Recommended Four-Year Sequence of Courses

**Freshman Year**
- Fall (15 hrs) Spring (12 hrs)
  - EDF 2005 3
  - ENC 1101 3
  - MGF 1106 3
  - ARH 2050 3
  - PSY 1202 3
  - ARH 2050 3
  - ENC 1102 3
  - MAC 1105 3
  - Summer (6 hrs)
  - EME 2400 3
  - SPC 1600 3

**Sophomore Year**
- Fall (15 hrs) Spring (16 hrs)
  - AMH 2010 3
  - ART 2201C 3
  - BSC 1005 3
  - PH 2010 3
  - STA 2014C 3
  - PSC 1121L 1
  - AMH 2010 3
  - ART 200C 3
  - ART 2300C 3
  - POS 2041 3
  - PSC 1121 3

**Junior Year**
- Fall (15 hrs) Spring (15 hrs)
  - ARE 4356 3
  - ART 2301C 3
  - ED 4214 3
  - EDG 4323 3
  - TSL 4080 3
  - ARE 4356 3
  - ART 2500C 3
  - RED 4043 3
  - Restricted elective 3
  - ARE/ARH/ART/PGY 3/4XXX 3

**Senior Year**
- Fall (12 hrs) Spring (12 hrs)
  - ARE 4351 3
  - EDF 4603 3
  - ESE 3940 3
  - Restricted elective 3
  - ARE/ARH/ART/PGY 3/4XXX 3

**BIOLGY (B.S.)**
College of Arts and Sciences
Biology Department, BL 301, 407-823-2141
http://pegasus.cc.ucf.edu/~biology/
E-mail: biology@ucf.edu
F. Loguidice, 407-823-2141

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.
- Co-op or internship credit cannot be used in this major
- No more than 4 hours of BSC 4422L, Independent Study, Directed Research, or similar types of credit may be applied toward major requirements.
- During Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization of the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- A minor in Biology will not be awarded to students who expect to complete a degree or who have previously obtained a degree in any Life Science program.

1. UCF General Education Program (39 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
- Select ENC 1101, ENC 1102
- Select SPC 1016 Tech Presentations

B. Cultural and Historical Foundations
- Select MAC 2311 Calculus w/Analy Geometry I
- Select STA 2023 Statistical Methods I

C. Mathematical Foundations
- Select MAC 2311 Calculus w/Analy Geometry I
- Select STA 2023 Statistical Methods I

D. Social Foundations
- Select CHM 2045C Chem Fund I
- Select BSC 2010C Biology I

2. Common Program Prerequisites (16 hrs)
- BSC 2010C* Biology I
- GEP

*CHEM 1045C/1046C CHEM FOR HEALTH CARE
3. Core requirements (21-23 hrs)
Select one Chemistry sequence
CHM 2210 Organic Chem. I, and 3 hrs
CHM 2211 & L Organic Chem. II & lab 5 hrs
or
CHM 3120C Analytical Chemistry, and 5 hrs
CHM 2205 Intro Organic & Biochemistry 5 hrs
PCB 3044 Ecology 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3023 Molecular Cell Biology 3 hrs
PCB 4863 Population Biol & Evolution 4 hrs
(Note: Students planning on entering professional or graduate school should take Biochemistry (CHM 4053, 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.
- No more than 12 hours of the upper division restricted electives may be taken outside the 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)
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- b BOT 4223C Plant Anatomy 4 hrs
- b BOT 4303C Plant Kingdom 5 hrs
- b BOT 4503 Plant Physiology 3 hrs
- BSC 4101 History of Biology 3 hrs
- PCB 3036L Genetics Laboratory 1 hr
- PCB 3233 Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- a PCB 4723 Animal Physiology 4 hrs
- a PCB 4863L Population Bio and Evolution Lab 1 hr
- a PCB 5107C Adv Cell Biology 4 hrs
- a PCB 5256C Adv Develop Biology 4 hrs
- a PCB 5516C Conser Genetics 3 hrs
- a PCB 5665C Human Genetics 4 hrs
- a ZOO 3713C Comparative Vert Anatomy 5 hrs
- a ZOO 4603C Embryology/Development 5 hrs
- a ZOO 4753C Vertebrate Histology 4 hrs

4.2 Environmental (minimum of one lecture course)
- b BOT 3152C Local Flora 3 hrs
- b BOT 3900 Ethnobotany 3 hrs
- b BOT 4156C Florida Wildflowers 4 hrs
- b BOT 4686C Conservation of Native Plants 4 hrs
- b BOT 5623C Plant Geography & Ecology 4 hrs
- BSC 4012C Marine Biology 4 hrs
- PCB 3044L Marine Biology Laboratory 1 hr
- PCB 3442 Florida Aquatic Ecology 3 hrs
- PCB 4302C Physicochemical Limnology 4 hrs
- PCB 4303C Biological Limnology 4 hrs
- PCB 5045C Conservation Biology 4 hrs
- PCB 5328C Landscape Ecology 4 hrs
- PCB 5332C Ecosystems of Florida 5 yrs
- PCB 5485 Models in Ecology 3 hrs
- a ZOO 4513 Animal Behavior 3 hrs
- a ZOO 5520 Behavioral Ecology 3 hrs
- a ZOO 5813 Zoogeography 4 hrs
- a ZOO 5801C Fisheries Management 4 hrs
- a ZOO 5993L Repro Mgt Zool Env 1 hr

4.3 Systematic (minimum of one lecture course)
- b BOT 4713C Plant Taxonomy 5 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 documents 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 should not take any courses required in the major as a transient student at a community college.

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 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)

Total Semester Hours Required 120 hours
Related Programs: Molecular and Microbiology, Science Education, Environmental Engineering
Related Minors: Biology, 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 necessary supporting information.
Acceptable Substitutes: The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
- BSC 2010C & Lab: may use PCB 2010, PCB 2011, PCB 2021, PCB 2131, BSC 1040, or BSC 2012
- BSC 2011C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1013. However, subsequent Biology courses require either BSC 2011C or both ZOO 2010 and BOT 2010.
- STA 2024: may use STA 2122, STA 2014C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3282. However, statistics at or above the level of STA 2023 is required in the major and still must be taken.
- MAC 2311: may use MAC 2233, MAC 2253 or MAC 2281
- Physics: Although Common Program Prerequisites permit substituting Organic Chemistry for Physics, both Physics and Organic Chemistry must be taken as part of the Biology degree requirements.
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 restriction. 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
CHM 2065C Chemistry Fund I 4
ENC 1101 Composition I 3
Elective* Check restrictions 3

Spring
BSC 2011C Bio Diversity 4
CHM 2046 Chemistry Fund II 3
Elective* Check restrictions 3

Sophomore Year
Fall
MAC 2311 Calc Anal Geo I 4
POS 2041* req# 1D1-GEP 3
STA 2023 Stat Methods I 3
Elective* Check restrictions 3

Spring
CHM 2210* req# 3-Core 3
PCB 3044 Prin of Ecology 3
Elective* Check restrictions 3

Junior Year
Fall
PHY 2053C* req# 2-CPP 4
PCB 3023 Mol Cell Biology 3
BOT 4303C* req# 4.1 ResEl 3
Elective* Check restrictions 3

Spring
PHY 2554C* req# 2-CPP 4
PCB 4723C* req# 4.2 ResEl-b 3
Elective* Check restrictions 3

Senior Year
Fall
HUM 2211* req# 1B1-GEP 3
PSY 2012* req# 1D2-GEP 3
REL 2300* req# 1B2-GEP 3
PCB 4683 Pop Biology Evol 4
Elective* Check restrictions 3

Spring
ENC 1102 Composition II 3
PCB 4063L* req# 4.1 ResEl 1
Elective* Check restrictions 3

1. UCF General Education Program (39 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
Select ENC 1101, ENC 1102 6 hrs
Select SPC 1016 Tech Presentations 3 hrs
B. Cultural and Historical Foundations
Select MAC 2311 Calculus with Analy Geo, or
Select STA 2023 Statistical Methods I 4 hrs
C. Mathematical Foundations
Select MAC 2311 Calculus with Analy Geo, or
Select STA 2023 Statistical Methods I 4 hrs
D. Social Foundations
Prefer PSY 2012 General Psychology 3 hrs
Prefer ECO 2013 Macroeconomics 3 hrs
E. Science Foundations
Select CHM 2045C Chem Fund I 4 hrs
Select BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (16 hrs)

BSC 2010C* Biology I GEP
BSC 2011C Biology II GEP
MAC 2311* Calculus w Analytic Geometry GEP
STA 2023* Statistical Methods I GEP
CHM 2045C* Chem Fund I GEP
CHM 2346F & Lab Chem Fund II & lab 4 hrs
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

3. Additional Core requirements (21 hrs)

PCB 3044 Ecology 3 hrs
PCB 3063 Genetics 3 hrs
CHM 2211 Organic Chem. I 3 hrs
CHM 2346F & Lab Chem Fund II & lab 5 hrs
PCB 3023 Molecular Cell Biology 3 hrs
PCB 4683 Population Biology & Evolution 4 hrs

4. Restricted Electives (Suggested) (22 hrs)

Students must complete at least one course dealing exclusively with animals (marked a) and one course dealing exclusively with plants (marked b).
No more than 12 hours of the upper division restricted electives may be taken outside the 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)

BCH 4053 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
PCB 3063L Genetics Lab 1 hr
PCB 4524 Molecular Biology II 3 hrs
PCB 5233 Immunology 3 hrs
PCB 5665C Human Genetics 4 hrs
a PCB 4723 Animal Physiology 4 hrs
a ZOO 3713C Comparative Vert Anatomy 5 hrs
b ZOO 4603C Embryology/Development 5 hrs
a ZOO 4753C Vertebrate Histology 4 hrs

4.2 Environmental (minimum of one lecture course)

b 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 documents on the World Wide Web.
Students will be required to take a comprehensive exam in biolo-
A 2.0 UCF GPA

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 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 residency at UCF
- A 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 2010C & Lab: may use PCB 2010, PCB 2111, PCB 2021, PCB 2131, BSC 1040, or BSC 2012
- BSC 2011C & Lab: may use ZOO 2010, BOT 2010, BSC 2041, or BOT 1011. However, subsequent Biology courses require either BSC 2011C or both ZOO 2010 and BOT 2010.
- STA 2023: may use STA 2122, STA 214C, STA 2023, STA 2024, STA 2321, MAC 2234, MAC 2254, or MAC 3282. However, statistics at or above the level of STA 2023 is required in the major and still must be taken.
- MAC 2311: may use MAC 2233, 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 2101C Biology I 3
CHM 2045C Chemistry Fund I 3
ENC 1101 Composition I 3
Elective* Check restrictions 1

Spring
ENC 1102 Composition II 3
BSC 2101C Bio Diversity 4
CHM 2046 Chemistry Fund II 3
Elective* Check restrictions 1

Sophomore Year
Fall
MAC 2311 Calc Anal Geo I 4
PCB 2412 req# 1D1-GEP 3
STA 2023 Stat Methods I 3
CHM 2210 Organic Chm I 3
PCB 3044 Prtin of Ecology 3

Spring
4PC 1016 Fund Tech Preshn 3
CHM 2211 Organic Chm II 3
PCB 3063 Genetics 3
BOT 3800* req# 4.2-ResE-b 3
MAC 2312 Calc Anal Geo II 4

Junior Year
Fall
MAC 2211* req# 1B1-GEP 3
PHY 2048 req# 1-2-CPP 3
PHY 2048L* req# 1-2-CPP 1
PCB 3023 Mol Cell Biology 3
ZOO 3713C* req# 4.1-ResEl 5
Elective* Check restrictions 3

Spring
MUL 2010* req# 1B2-GEP 3
PHY 2049L* req# 1-2-CPP 1
PCB 4723* req# 4.1-ResE-a 4
Elective* Check restrictions 3

Senior Year
Fall
PSY 2012* req# 1D2-GEP 3
REL 3000* req# 1B3-GEP 3
PCB 4683 Popl Biology Evol 3
BCCH 4053* req# 4.1-ResEl 5
Elective* Check restrictions 3

Spring
CMCH 2211L* req# 3-Core 2
CMCH 4054 req# 4.1-ResEl 3
MBC 3020C* req# 4.3-ResEl 5
Elective* Check restrictions 3

CARDIOPULMONARY SCIENCES (B.S.)
College of Health and Public Affairs
HPA2 210; 407-823-2214
http://www.chph.ufl.edu/healthpro/

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 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 have completed 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 18 UCF undergraduates students are admitted each Fall semester for the regular Cardiopulmonary Sciences program. Registered Respiratory Therapists (RRT’s) applying for this program’s transfer option will be admitted 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
     Select MAC 1105
     Select STA 2023
   - D. Social Foundations 6 hrs
     Select SOSC 2060
   - E. Science Foundations 6 hrs
     Select BSC 2010C
     Select CHM 1032 and lab

2. Common Program Prerequisites (16 hrs)
   - MAC 1115 College Algebra GEP
     STA 2023 Statistical Methods I GEP
     BSC 2010C Biology I GEP
     MCB 2004C Microbiology 4 hrs
     ZOO 3733C Human Anatomy* 4 hrs
     PCB 3703C Human Physiology* 4 hrs
     CHM 1032&L Chemistry for Health Sciences or higher level (lab) 4 hrs
     PHY 2053C College Physics or higher level (lab) 4 hrs
   - * see transfer notes

3. Core Requirements (75 hrs)
   - RET 4934 Selected Topics in Respiratory Care 2 hrs
   - RET 4876 Clinical Practice III 8 hrs
   - RET 4536 Cardiopulmonary Rehabilitation 3 hrs

4. Upper Division Restricted Electives 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
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 32 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 127 hrs

Related Programs: Radiologic Sciences, Nursing, Physical Therapy, Health Services Administration, Aging Studies Certificate

Related Minors: Health Services Administration, Health Sciences, Molecular Biology & Microbiology, Biology, Chemistry

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 program allows working respiratory care professionals to attend UCF and gain a baccalaureate degree in Cardiopulmonary Sciences. To facilitate this process transfer-credit by examination is available for Registered Respiratory Therapists for 26 credits of course work. Credit will be awarded by the Cardiopulmonary Sciences faculty when students demonstrate advanced knowledge and competencies beyond the level required for entry into the profession. This knowledge 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 I (PHY 1007) or (PHY 3004) with lab 4 hrs
- or higher level with labs 4 hrs
- General Chemistry with Lab (CHM 1031) or (higher level) 4 hrs
- Biology I with Lab (BSC 1005) or (higher level) 4 hrs
- General Microbiology (MCB 2010) or (MCB 2005) or (MCB 2020) or (PHA 2751) 4 hrs
- Human Anatomy and Physiology I & II (BSC 2093C and 2094C) or (BSC X085 and X086) replaces Anatomy and Physiology courses (ZOO 3733C and PCB 3703C) 8 hrs

Tentative Course Schedule for Entering Freshmen

Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>16</th>
<th>Spring</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1110</td>
<td>3</td>
<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1032 and lab</td>
<td>3</td>
<td>MCB 2004</td>
<td>4</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>4</td>
<td>MAC 1105</td>
<td>3</td>
</tr>
<tr>
<td>PSY 1012</td>
<td>3</td>
<td>EUH 2000 or HUM 2211</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2000 or SYG 2000</td>
<td>3</td>
<td>AMH 2010</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2000</td>
<td>2</td>
<td>MAC 1114</td>
<td>3</td>
</tr>
</tbody>
</table>
CHEMISTRY (B.S.)

College of Arts and Sciences
Department of Chemistry
CH 117, 407-823-2246
http://www.cas.ucf.edu/chemistry
E-mail: chemistry@ucf.edu

Admission Requirements none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in 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

A. Communication Foundations
- Select ENC 1101, ENC 1102
- Select SPC 1016 Tech Presentations

B. Cultural and Historical Foundations
- Select MAC 2311 Calculus
- Prefer STA 1060C Statistics Using Excel

C. Mathematical Foundations
- Select PHY 2048 & L Physics for Sci & Engr
- Select BSC 2010C Biology I

D. Social Foundations
- Sociology or Psychology

E. Science Foundations
- Select PHY 2048 & L Physics for Sci & Engr
- Select SPC 1060C Tech Presentations

2. Common Program Prerequisites

CHM 2045C Organic Chem I
CHM 2046L Organic Chem I with lab
CHM 2210 Organic Chem II
CHM 2211 Organic Chem II
MAC 2311 Calculus w/ Anal Geometry I
MAC 2312 Calculus w/ Anal Geometry II
PHY 2048 & L Physics for Sci & Engr

3. Core requirements

MAC 2313 Calculus w/ Anal Geometry III
CHM 2211L Organic Lab Techniques I
CHM 2212L Organic Lab Techniques II
CHM 3120C Analytical Chemistry
CHM 3410L Physical Chemistry I
CHM 3411L Physical Chemistry II

4. Upper Division Restricted Electives

BCH 4054 Biochemistry I
CHM 2225 Advanced Organic Chem I
CHM 4220 Organic Chem III
CHM 5235 Applied Molec Spectroscopy
CHM 5580 Advanced Physical Chem
CHM 5450 Polymer Chemistry
CHM 5451C Techniques in Polymer Chemistry
CHS 4200 Concepts in Industrial Chem
CHS 4615 Environmental Chem

5. Directed Elective

Course will be selected with the aid of a departmental advisor and approved in advance by the department chair.

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 4914, 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 at least a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than three weeks prior to the last day of regularly scheduled classes 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

Admission: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation: none

8. Electives

Select primarily from upper level courses, 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 residency at UCF
- A 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, 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 required and will still have to be taken.
- Physics: CPP requirements may permit substitution by Organic Chemistry (CHM 2210 & 2211). However, both Physics courses and Organic Chemistry classes are required for graduation.

**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>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>SYG 2000 req# 1D2-GEP</td>
</tr>
<tr>
<td>MAC 2311 Calc Anal Geo I</td>
<td>CHM 2046 Chemistry Fund II</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fund I</td>
<td>CHM 2046L Chemistry Fund I</td>
</tr>
<tr>
<td>CHM 2045C/45L Chemistry Fundamentals I with Lab</td>
<td>MAC 2312 Calc Anal Geo II</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048 Phy for Eng Sci I</td>
<td>PHI 2013 req# IB3-GEP</td>
</tr>
<tr>
<td>PHY 2048L Phy for Eng Sci I</td>
<td>CHM 2211 Organic Chem I</td>
</tr>
<tr>
<td>STA 1060C Stat Using Excel</td>
<td>PHY 2049 Phy for Eng Sci II</td>
</tr>
<tr>
<td>CHM 2210 Organic Chm I</td>
<td>PHY 2049L Phy L Eng Sci II</td>
</tr>
<tr>
<td>MAC 2313 Calc Anal Geo III</td>
<td>CHM 2211L Organic L Tech I</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 req# 1D1-GEP</td>
<td>CHM 3411L Physical Chm I</td>
</tr>
<tr>
<td>BCH 4053 Biochemistry I</td>
<td>CHM 3411L Physical Chm II</td>
</tr>
<tr>
<td>CHM 3120C Analy Chemistry</td>
<td>CHM 4130C Adv Analy L Tech</td>
</tr>
<tr>
<td>CHM 3212L Organic L Tech II</td>
<td>CHM 4610 Inorg Chemistry</td>
</tr>
<tr>
<td>CHM 3410 Physical Chm I</td>
<td>BCH 4045* req# 4-ResEn</td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 2211* req# 1B1-GEP</td>
<td>MUL 2010 req# 1B2-GEP</td>
</tr>
<tr>
<td>CHM 4610L Inorg Chemistry L</td>
<td>SPC 1016 Tech Presentations</td>
</tr>
<tr>
<td>CHM 4914C undergrad Res Meth</td>
<td>CHM 4912 Research</td>
</tr>
<tr>
<td>CHM 4220* req# 4-ResEn</td>
<td>CHM 4930 Undergrad Chm Sem</td>
</tr>
<tr>
<td>PCB 306P req 5-DIE</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

**CINEMA STUDIES TRACK in FILM**
See Film - Cinema Studies Track

---

**UCF Degree Programs**

**CIVIL ENGINEERING (B.S.C.E.)**

**College of Engineering and Computer Science**

**Civil & Environmental Engineering Department (CEE), ENGR 211, 407-823 2841, Fax: 407-823-3315, http://www.cee.ucf.edu**

Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-Mail: cpohl@mail.ucf.edu

**Associate Chair**: Amr A. Oloufa, 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 academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. **UCF General Education Program for Engineering Students**

   The UCF General Education Program (GEP) is described in 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.

   - **Prerequisites**:
     1. Take ENC 1101
     2. Take ENC 1102
     3. Prefer SPC 1016

2. **Common Program Prerequisites (CPP’s)**

   These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. **Note**: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

   - **MAC 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)

3. **Courses Required for the Major**

   The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the 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)
**UCF Degree Programs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3331</td>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3365</td>
<td>Structure &amp; Properties of Materials</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
<td>2</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>Intro to the Construction Industry</td>
<td>3</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Intro to Environmental Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STA 3022</td>
<td>Probability &amp; Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>CEG 4101C</td>
<td>Geotechnical Engineering I</td>
<td>4</td>
</tr>
<tr>
<td>CES 4100C</td>
<td>Structural Analysis I</td>
<td>4</td>
</tr>
<tr>
<td>CES 4605</td>
<td>Steel Structures or CES 4702</td>
<td>3</td>
</tr>
<tr>
<td>CES 4702</td>
<td>Reinforced Concrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>CWR 4101C</td>
<td>Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>CWR 4203C</td>
<td>Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>ENV 4561</td>
<td>Environment Engng-Process Design</td>
<td>4</td>
</tr>
<tr>
<td>SUR 2101C</td>
<td>Surveying</td>
<td>3</td>
</tr>
<tr>
<td>TTE 4004</td>
<td>Transportation Engineering</td>
<td>4</td>
</tr>
</tbody>
</table>

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.

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>*ENC 1101 English Comp I</td>
<td>3</td>
</tr>
<tr>
<td>*MAC 2311 Calc w/Analy Geo I</td>
<td>4</td>
</tr>
<tr>
<td>*SPC 1016 Tech Presentations</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>*ENC 1102 English Comp II</td>
<td>3</td>
</tr>
<tr>
<td>*MAC 2312 Calc w/Analy Geo II</td>
<td>4</td>
</tr>
<tr>
<td>*PHY 2048L Phys Engr I w/lab</td>
<td>4</td>
</tr>
</tbody>
</table>

#### SECOND YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>*MAC 2313 Calc w/Analy Geo III</td>
<td>4</td>
</tr>
<tr>
<td>*CHM 2045 Chemistry Funds I</td>
<td>4</td>
</tr>
<tr>
<td>*HUM/AMH/GEUH - II</td>
<td>3</td>
</tr>
<tr>
<td>*PHY 2049L Phys Eng II w/lab</td>
<td>4</td>
</tr>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>EGN 3110 Engr Anal - Statics</td>
<td>3</td>
</tr>
<tr>
<td>CES 3613 Eng 3 Engr Econ Anal</td>
<td>2</td>
</tr>
<tr>
<td>EGN 3321 Engr Anal-Dynamic</td>
<td>3</td>
</tr>
</tbody>
</table>

#### THIRD YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>CCE 3201 Eng Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>CCE 4003 Intro to Const Indus</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3343 Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>CES 4100C Structural Analysis I</td>
<td>4</td>
</tr>
<tr>
<td>*SUR 2101C Surveying</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>EGN 3331 Mech of Materials</td>
<td>3</td>
</tr>
<tr>
<td>ENV 3001 Intro to Environ Eng</td>
<td>3</td>
</tr>
</tbody>
</table>

#### FOURTH YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>EGN 4561 Eng Engr-Proc Design</td>
<td>4</td>
</tr>
<tr>
<td>CEG 4101C Geotechnical Eng</td>
<td>4</td>
</tr>
<tr>
<td>CES 4605 Steel Structures or Technical Elective</td>
<td>3</td>
</tr>
<tr>
<td>Approved Project Design Course</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>EGN 3365 Str. &amp; Prop Mats</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373 Prin Elec Eng</td>
<td>3</td>
</tr>
<tr>
<td>*HUM/AMH/EUH - II</td>
<td>3</td>
</tr>
<tr>
<td>EGN 4561 Eng Engr-Proc Design</td>
<td>4</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. Either CES 4605 Steel Structures or CES 4702 Reinforced Concrete Structures is required for all students.

### CIVIL ENGINEERING - CONSTRUCTION ENGINEERING CONCENTRATION (B.S.C.E.)

**College of Engineering and Computer Science Civil & Environmental Engineering Department (CEE), ENG2 211, 407-823 2841, Fax: 407-823-3315, http://www.cee.ucf.edu**

*Undergraduate Coordinator and Academic Advisor: Carol Ann Pohl, E-mail: cpohl@mail.ucf.edu Associate Chair and Construction Program Director: Amr A. Ouloufa, E-mail: aouloufa@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**

   **(38 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**

   - Take ENC 1101
   - Take ENC 1102
   - Take SPC 1016

   **B. Cultural and Historical Foundations**

   - Take ENC 1101
   - Take ENC 1102
   - Take SPC 1016
C. Mathematical Foundations (7 hrs)
1. Take MAC 2311, Calculus with Analytic Geometry I, (4 hrs)
   Note: College algebra and trigonometry are prerequisites for Calculus I. See the course descriptions.
2. Take STA 3023, (3 hrs)
   Note: Calculus II is the prerequisite for this course.
D. Social Foundations (6 hrs)
1. Take ECO 2003 or ECO 2023.
E. Science Foundations (7 hrs)
1. Take PHY 2048/48L, (4 hrs)
2. Prefer GEO 1200
3. Earn a graduating GPA of 2.25 in the major courses from item 2.
   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.

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 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 2045C/L Chem Funds I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
MAC 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II GEP
MAC 2313 Calculus with Analytic Geometry III GEP
MPE 3002 Intro to Environmental Engineering 3 hrs
ENV 3001 Mechanical Behavior of Materials 3 hrs
EGN 3321 Engineering Analysis - Statics 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
STP 3102 Probability & Statistics for Engineers GEP
CCE 4813 Mech & Elec Sys for Buildings 4 hrs
CCE 4402 Construction Equip & Productivity 3 hrs
EGN 3365 Struct & Prop of Materials 3 hrs
CCE 4003 Construction Methods 3 hrs
CCE 4034 Construction Estimating & Scheduling 3 hrs
CCE 4035 Intro to the Construction Industry 3 hrs
CEG 4101C Geotechnical Engineering I 4 hrs
CES 4100C Structural Analysis I 4 hrs
CES 4702 Reinforced Concrete Structures 4 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
AGC 2071 Managerial Accounting 3 hrs
SUR 2101C Surveying 3 hrs
TTE 4044 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)
   CEG 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 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).
   Completed 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.
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
Fall 14 hrs^1  Spring 15 hrs^1
- ENC 1101 Eng Comp 3  - ENC 1102 Eng Comp II 3
- MAC 2311 Calc w/Analy Geo I 4  - MAC 2312 Calc w/Analy Geo II 4
- MAC 2313 Calculus with Analytic Geometry III GEP 3
- PHY 2048/48L Physics for Engineers & Scientists I GEP 3
- PHY 2049/49L Physics for Engineers & Scientists II GEP 4
- ENC 1101 Composition I GEP 3
- ENC 1102 Composition II GEP 3
- Humanities Courses GEP 3
- Social Science Courses GEP 3
- Humanities or Social Sciences GEP 3

SECOND YEAR
Fall 16 hrs^1  Spring 16 hrs^1
- MAC 2313 Calc w/Analy Geo III 4  - MAC 2312 Calc w/Analy Geo II 4
- MAC 2345/L Chem Funds I 4  - MAC 2346/L Chem Funds II 4
- CWR 3201 Engineering Fluid Mechanics 3  - CWR 3201 Engineering Fluid Mechanics 3
- ACG 2071 Managerial Accounting 3  - ACG 2071 Managerial Accounting 3
- SUR 2101C Surveying 3  - SUR 2101C Surveying 3
- TTE 4044 Transportation Engineering 4  - TTE 4044 Transportation Engineering 4

THIRD YEAR
Fall 16 hrs^1  Spring 15 hrs^1
- EGN 3331 Eng Anal & Statics 3  - EGN 3315 Eng Econ Anal 3
- EGN 3315 Eng Econ Anal 3  - EGN 3315 Eng Econ Anal 3
- EGN 3315 Eng Econ Anal 3  - EGN 3315 Eng Econ Anal 3
- CCE 4813 Mech & Elec Blds 3  - CCE 4813 Mech & Elec Blds 3

FOURTH YEAR
Fall 15 hrs  Spring 13 hrs
- TTE 4044 Transportation Eng 4  - CCE 4813 Mech & Elec Blds 3
- CCE 4813 Mech & Elec Blds 3  - CCE 4813 Mech & Elec Blds 3
- CEG 4101C Geotechnical Engr 3  - CEG 4801C Geotechnical Engr 3
- CEG 4801C Geotechnical Engr 3  - CEG 4801C Geotechnical Engr 3
- CCE 4813 Mech & Elec Blds 3  - CCE 4813 Mech & Elec Blds 3
- CEC 4004 Construc Methods 3  - CEC 4004 Construc Methods 3
- CEC 4004 Construc Methods 3  - CEC 4004 Construc Methods 3
- CWR 3201 Eng Fluid Mechanics 3  - CWR 3201 Eng Fluid Mechanics 3
- CWR 3201 Eng Fluid Mechanics 3  - CWR 3201 Eng Fluid Mechanics 3

UCF Degree Programs
Students who change degree programs and select this major.

Degree Requirements

- Phone: 407-823-4798
- E-mail: jschwart@mail.ucf.edu
- College of Health and Public Affairs, HPA2 101
- http://www.cohpa.ucf.edu/comdis/
- Chair: R. Jane Lieberman, Phone: 407-823-4798
- Undergraduate Coordinator: Jamie B. Schwartz
- E-mail: jschwart@mail.ucf.edu
- Phone: 407-823-4798
- Admission Requirements: none

## Degree Requirements

**1. UCF General Education Program**

- A. Communication Foundations: 9 hrs
- B. Cultural Historical Foundations: 9 hrs
- C. Mathematical Foundations: 6 hrs
- Prefer MGF 1106 Finite Math
- Select STA 2023

**D. Social Foundations**

- Select PSY 2012 General Psychology
- Select one of the listed choices (ECO 2013, ECO 2023), or (POS 2041)

**E. Science Foundations**

- Prefer BSC 1005 Gen Bio
- Select one biological and one physical science

**2. Common Program Prerequisites**

- none

**3. Core Requirements**

- (60 hrs)
- DEP 2004 Developmental Psychology: 3 hrs
- SPA 3471 Communication Disorders in Literature and Media: 3 hrs
- SPA 3101 Physiological Bases of Speech and Hearing: 3 hrs
- SPA 3112 Basic Phonetics: 3 hrs
- SPA 3112L Basic Phonetics Lab: 1 hr
- LIN 3716 Language Development: Birth through 8 yrs: 3 hrs
- SPA 3011 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 4402 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 or: 3 hrs
- EEX 4601 Introduction to Behavior Management or: 3 hrs
- ECC 4603 Guidance of Young Children or: 3 hrs
- EDF 3307 Learning Environments and Guidance for Young Children or: 3 hrs

**4. Statistics Requirement**

- (6 hrs)
- STA 2023 Statistical Methods I GEP and: 3 hrs
- STA 4163 Statistical Methods II or: 3 hrs
- HSA 4701 Introduction to Research in the Health Professions: 3 hrs

**5. Upper Division Restricted Electives**

- (6 hrs)
- Students must earn at least a “C-” (1.75) in each required course, restricted elective, and B.A./B.S. elective.
- The courses designated in section 1 (General Education) should usually be completed in the first 60 hours

- EDE 3140 coursework: 3 hrs
- EDE 3140L coursework: 1 hr
- EDE 3191 coursework: 3 hrs
- EDE 3191L coursework: 1 hr
- EDE 3199 coursework: 3 hrs
- EDE 3199L coursework: 1 hr

**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 pursing 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.

**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**

- 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 courses 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 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**

- ENC 1101: 3 hrs
- ENG 1102: 3 hrs
- PSY 2012: 3 hrs
- BSC 1005: 3 hrs
- One Course: ARH 2050 or ARH 2051, or MUL 2101, or THE 2000, or REL 2300, or PHI 2010:
- or EUN 2000 or HUM 2211 or AMH 2010:
- or REP 2110, or LIT 2110, or LIT 2120:

- ENC 1101: 3 hrs
- ENG 1102: 3 hrs
- PSY 2012: 3 hrs
- BSC 1005: 3 hrs
- One Course: ARH 2050 or ARH 2051, or MUL 2101, or THE 2000, or REL 2300, or PHI 2010:
- or EUN 2000 or HUM 2211 or AMH 2010:
- or REP 2110, or LIT 2110, or LIT 2120:

**Spring**

- ENC 1101: 3 hrs
- ENG 1102: 3 hrs
- PSY 2012: 3 hrs
- BSC 1005: 3 hrs
- One Course: ARH 2050 or ARH 2051, or MUL 2101, or THE 2000, or REL 2300, or PHI 2010:
- or EUN 2000 or HUM 2211 or AMH 2010:
- or REP 2110, or LIT 2110, or LIT 2120:

- ENC 1101: 3 hrs
- ENG 1102: 3 hrs
- PSY 2012: 3 hrs
- BSC 1005: 3 hrs
- One Course: ARH 2050 or ARH 2051, or MUL 2101, or THE 2000, or REL 2300, or PHI 2010:
- or EUN 2000 or HUM 2211 or AMH 2010:
- or REP 2110, or LIT 2110, or LIT 2120:

- ENC 1101: 3 hrs
- ENG 1102: 3 hrs
- PSY 2012: 3 hrs
- BSC 1005: 3 hrs
- One Course: ARH 2050 or ARH 2051, or MUL 2101, or THE 2000, or REL 2300, or PHI 2010:
- or EUN 2000 or HUM 2211 or AMH 2010:
- or REP 2110, or LIT 2110, or LIT 2120:

- ENC 1101: 3 hrs
- ENG 1102: 3 hrs
- PSY 2012: 3 hrs
- BSC 1005: 3 hrs
- One Course: ARH 2050 or ARH 2051, or MUL 2101, or THE 2000, or REL 2300, or PHI 2010:
- or EUN 2000 or HUM 2211 or AMH 2010:
- or REP 2110, or LIT 2110, or LIT 2120:

- ENC 1101: 3 hrs
- ENG 1102: 3 hrs
- PSY 2012: 3 hrs
- BSC 1005: 3 hrs
- One Course: ARH 2050 or ARH 2051, or MUL 2101, or THE 2000, or REL 2300, or PHI 2010:
- or EUN 2000 or HUM 2211 or AMH 2010:
- or REP 2110, or LIT 2110, or LIT 2120:
UCF Degree Programs

Elective

3

Sophomore Year

Fall 15/16 hrs
SPC 1600 3
EUH 2001 or HUM 2230 or AMH 2020 3
MGF 1106 or MAC 1105 3
Foreign L. I. (B.A.) or Health Science (B.S.) 3/4
SPA 3471 or Health Science (B.S.) 3

Spring 16/17 hrs
SPA 3112 and SPA 3112L 3
Restricted Elective 3
EAB 3703 or EDF 3307 3
or ENC 4001 or EEC 4603 or SPA 3472 3
STA 2023 3
Foreign Lang II (B.A.) 3/4
SPA 3104 3
Elective or STA 4163 3

Junior Year

Fall 13 hrs
LIN 3716 3
SPA 301L and SPA 3011L 4
SPA 3101 3
Elective or STA 2023 3

Spring 16 hrs
SPA 3422 3
SPA 4221 3
SPA 4052L or SPA 4948 3
Elective or STA 4163 3

Senior Year

Fall 15 hrs
SPA 4032 3
SPA 4321 3
SPA 4052L or SPA 4948 3
LIN 4711 and 4711L 4

Spring 15 hrs
SPA 4478 3
HSN 4701L or Elective 3
SPA 4948 3

* Students must apply and be selected to enroll in SPA 4052L.

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
ENGR 407C, 407-823-2786, Fax: 407-823-5835,
http://www.cpe.ucf.edu
C. S. Bauer Jr., E-Mail: bauer@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
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. Take ENC 1101
2. Take ENC 1102
3. Prefer SPC 1016
B. Cultural and Historical Foundations 9 hrs
1. Take MAC 2311, Calculus with Analytic Geometry I, (4 hrs)
C. Mathematical Foundations 7 hrs
1. Take MAC 2311, Calculus with Analytic Geometry I,

Calculus I. See the course descriptions.
2. Take STA 3032 (3 hrs)

Note: Calculus II is the prerequisite for this course.
D. Social Foundations 6 hrs
1. Take ECO 2013 or ECO 2243.
E. Science Foundations 7 hrs
1. Take PHY 2048/2049L.

2. Common Program Prerequisites (CPP's) (19 hrs)
These courses are specifically required for all engineering students of the University of Central Florida. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

Note: MAC 2311 and PHY 2048/2049L 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.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts & Methods 1 hr
EGN 3310 Engineering Analysis - Statics 3 hrs
EGN 3321 Engineering Analysis - Dynamics or
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
EGN 3420 Engineering Analysis 3 hrs
STA 3022 Probability & Statistics for Engineers 3 hrs
PHY 3101 Physics for Engineers & Scientists I 3 hrs
EGN 3359 Intro to Computer Engineering 3 hrs
EGN 4767C Computer System Design I 4 hrs
EGN 4768C Computer System Design II 4 hrs
EGN 4781 Computer Comm Networks 3 hrs
EGN 4851C Engineering Data Structures 4 hrs
EGN 4882 Engineering System Software 3 hrs
EGN 4884C Engineering Software Design 4 hrs

4. Courses Required for the Major (45 hrs)

EEC 3204 Electrical Networks 3 hrs
EEC 3231C Networks and Systems 4 hrs
EEC 3306 Semiconductor Devices I 3 hrs
EEC 3307C Electronics I 4 hrs
EEC 3342C Intro to Digital Circuits & Systems 3 hrs
EEC 3657 Linear Control Systems 3 hrs
EEC 3801C Intro to Computer Engineering 3 hrs
EEC 4767C Computer System Design I 4 hrs
EEC 4768C Computer System Design II 4 hrs
EEC 4781 Computer Comm Networks 3 hrs
EEC 4851C Engineering Data Structures 4 hrs
EEC 4882 Engineering System Software 3 hrs
EEC 4884C Engineering Software Design 4 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)
- EEC 4914 Senior Design I 3 hrs
- EEC 4915 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

125
## UCF Degree Programs

### Computer Engineering - Software Engineering Concentration (B.S.Cp.E.)

#### College of Engineering and Computer Science


**C. S. Bauer, Jr., E-Mail: bauer@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

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. Take ENC 1101
  - 2. Take ENC 1102
  - 3. Prefer SPC 1016

- **B. Cultural and Historical Foundations**
  - 9 hrs
  - 1. Take HIST 2015
  - 2. Take PHI 1011

- **D. Social Foundations**
  - 6 hrs
  - 1. Take ECO 2013 or ECO 2023
  - 2. Take ANT 2000, PSY 2012, or SYG 2000

- **E. Science Foundations**
  - 7 hrs
  - 1. Take PHY 2048/48L

#### 2. Common Program Prerequisites (CPP's)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

- **Note:** MAC 2311 and PHY 2048/48L also satisfy UCF GEP substitution requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

#### Prerequisites

- **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
- **PHY 2048/48L** Physics for Engineers & Scientists I* 4 hrs
- **ENC 1101** Composition I 3 hrs
- **ENC 1102** Composition II 3 hrs
- **Humanities Courses**
  - GEP
- **Social Science Courses**
  - GEP

---

### Computer Engineering Program

- **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:


### Related Minors:

- Information Technology, Computer Science.

### Transfer Notes:

- Courses 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

<table>
<thead>
<tr>
<th>YEAR</th>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST YEAR</td>
<td>14 hrs</td>
<td>12 hrs</td>
</tr>
<tr>
<td>*Cult &amp; Hist Foundations 1a</td>
<td>3</td>
<td>ENC 1102 English Comp II</td>
</tr>
<tr>
<td>*ENC 1101 English Comp I</td>
<td>3</td>
<td>EGN 1007C Eng Conc &amp; Meth</td>
</tr>
<tr>
<td>*SPC 1016 Tech Presentations</td>
<td>3</td>
<td>*MAC 2312 Calc with Analy Geo II</td>
</tr>
<tr>
<td>EGN 100C Intro to Engr</td>
<td>1</td>
<td>*PHY 2048L Phys for Eng/Sci I</td>
</tr>
<tr>
<td>*MAC 2311 Calc with Analytic Geo I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Summer</td>
<td>10 hrs</td>
<td></td>
</tr>
<tr>
<td>*Social Foundations 1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*Science Foundations 2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*MAC 2313 Calc with Analytic Geo III</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>SECOND YEAR</td>
<td>17 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td>*MAP 2302 Diff Equations</td>
<td>3</td>
<td>EGN 3321 Engr Anal-Dynamics</td>
</tr>
<tr>
<td>*PHY 2049 Phys Engr/Sci II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*PHY 2048L Lab Engr/Sci II</td>
<td>1</td>
<td>EGN 3358 Ther-Flds-He Tran</td>
</tr>
<tr>
<td>CHS 1440 Chem for Engr</td>
<td>4</td>
<td>*PHY 3101 Physics for Engr III</td>
</tr>
<tr>
<td>EGN 3310 Engr-Astatisics</td>
<td>3</td>
<td>EEL 3342C Intro Dg Circ/Sys</td>
</tr>
<tr>
<td>EGN 3420 Eng Analysis2</td>
<td>3</td>
<td>EEL 3801C Intro Cmpt Engr/2</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>EEL 3004 Electrical Networks</td>
</tr>
<tr>
<td>Summer</td>
<td>6 hrs</td>
<td></td>
</tr>
<tr>
<td>*ECO 2013 Macroeconomics or</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECO 2023 Microeconomics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Cult &amp; Hist Foundations</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THIRD YEAR</td>
<td>14 hrs</td>
<td>14 hrs</td>
</tr>
<tr>
<td>EEL 3306 Semicond'I Dev I</td>
<td>3</td>
<td>EEL 3307C Electronics I</td>
</tr>
<tr>
<td>EEL 4851C Eng Data Struc</td>
<td>4</td>
<td>EEL 3657 Linear Cont Sys</td>
</tr>
<tr>
<td>STA 3032 Prob/Stats for Engr</td>
<td>3</td>
<td>EEL 4767C Cmp System Des'n I</td>
</tr>
<tr>
<td>EEL 3123 Networks and Systems</td>
<td>4</td>
<td>EEL 4892 Engng Sys SN</td>
</tr>
<tr>
<td>FOURTH YEAR</td>
<td>14 hrs</td>
<td>12 hrs</td>
</tr>
<tr>
<td>EEL 4768C Cmp Sys Dsgn II</td>
<td>4</td>
<td>*Cult &amp; Hist Foundations 2</td>
</tr>
<tr>
<td>EEL 4884C Engr SW Dsgn</td>
<td>4</td>
<td>Approved Technical Elective</td>
</tr>
<tr>
<td>EEL 4914 Senior Design I</td>
<td>3</td>
<td>EEL 4915S Senior Design II</td>
</tr>
<tr>
<td>Approved Technical Elective</td>
<td>3</td>
<td>EEL 4781 Cmp Comm/Networks</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.

### Integrated BS/MS Degree Program

The Computer Engineering program offers the Integrated BS/MS degree to students of high academic standing. This program will accept up to six graduate hours for those taking a non-thesis option. They will accept three graduate hours for students completing a thesis option degree. See advisor for appropriate substitutions.
UCF Degree Programs

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>Intro to the Engineering Profession</td>
<td>1</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts &amp; Methods</td>
<td>1</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis - Statics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis - Dynamics or</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3420</td>
<td>Engineering Analysis</td>
<td>3</td>
</tr>
<tr>
<td>STA 3002</td>
<td>Probability &amp; Statistics for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Physics for Engineers &amp; Scientists II</td>
<td>3</td>
</tr>
</tbody>
</table>

4. Courses Required for the Major (45 hrs)

- EEL 3004 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 3 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EEL 3801C Intro to Computer Engineering 3 hrs
- EEL 4776C Computer System Design I 4 hrs
- EEL 4776C Computer System Design II 4 hrs
- EEL 4781 Computer Comm Networks 3 hrs
- EEL 4851C Engineering Data Structures 4 hrs
- EEL 4882 Engineering System Software 3 hrs
- EEL 4884C Engineering Software Design 4 hrs

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. For those students with a declared interest in Software Engineering, a concentration in this area is available by taking software technical electives, in addition to the required software engineering courses listed in 3. above.

- Approved software technical elective 3
- EEL 4915L Senior Design II 3 hrs

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


Related Minors: Information Technology, Computer Science.

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/ 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 - Software Engineering Concentration

128 semester hours required

FIRST YEAR
- Fall 14 hrs
  - MAP 2302 Diff Equations 3
  - EEL 4914 Senior Design I 3
  - PHY 3101 Physics for Engineers & Scientists II 3
  - STA 3002 Probability & Statistics for Engineers 3
- Spring 12 hrs
  - EEL 4915L Senior Design II 3
  - EEL 3321 Intro to Engnr 1
  - MAC 2311 Calc with Analyt Geo I 4

Summer 10 hrs
- Social Foundations 1
- Science Foundations 2
- MAC 2313 Calc with Analytic Geo III 4

SECOND YEAR
- Fall 17 hrs
  - MAP 2302 Diff Equations 3
  - EEL 4914 Senior Design I 3
  - PHY 2049 Phys Engr/Sci II 1
  - PHY 2049L Lab Engr/Sci II 1
- Spring 15 hrs
  - ECE 3130 Calc with Analyt Geo III 4
  - EEL 4915L Senior Design II 3
  - EEL 4914 Senior Design I 3

THIRD YEAR
- Fall 14 hrs
  - EEL 3306 Semicond Dev I 3
  - EEL 4851C Eng Data Struc 4
  - STA 3002 Prob/Stats for Engr 3
  - STA 3123 Networks and Networks Systems 4
- Spring 14 hrs
  - EEL 4776C Computer System Design II 4
  - EEL 4781 Computer Comm Networks 3 hrs
  - EEL 4851C Engineering Data Structures 4 hrs
  - EEL 4882 Engineering System Software 3 hrs

FOURTH YEAR
- Fall 14 hrs
  - EEL 4781 Comp Comm Networks 3
  - EEL 4781C Comp Sys Dsgn II 4
  - EEL 4882 Engrng Sys W/SW 3
  - EEL 4915L Senior Design II 3
- Spring 12 hrs
  - EEL 4781 Comp Comm Networks 3
  - EEL 4915L Senior Design II 3
  - EEL 4914 Senior Design I 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.

Integrated BS/MS Degree Program
The Computer Engineering program offers the Integrated BS/MS degree to students of high academic standing. This program will accept up to six graduate hours for those taking a non-thesis option. They will accept three graduate hours for students completing a thesis option degree. See advisor for appropriate substitutions.

COMPUTER SCIENCE (B.S.)

College of Engineering and Computer Science
School of Computer Science
CSB 201
http://www.cs.ucf.edu
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
Degree Requirements

- Students must earn at least a 2.0 in each course in 2-6
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF
- 18 of the 24 Residency hours must be at the 4000-5000 level

1. UCF General Education Program (39 hrs)
   - Communication Foundations: 9 hrs
     - Select ENC 1101, ENC 1102
     - Prefer SPC 1016
   - Cultural and Historical Foundations: 9 hrs
     - Select MAC 2311 Calculus
     - Select STA 2023 Statistical Methods I
   - Mathematical Foundations: 6 hrs
     - Social Foundations: 6 hrs
     - Select COT 3960 Foundation Exam (PR:COT 3100 & COP 3502)
     - Select any science course designed for majors (exclusive of Physics)

2. Common Program Prerequisites (14 hrs)
   - COP 3223 C Programming
   - MAC 2311 Calculus with Analytic Geom I
   - MAC 2312 Calculus with Analytic Geom II
   - PHY 2048 & L Physics for Engr. & Sci. I & Lab
   - PHY 2049 & L Physics for Engr. & Sci. II & Lab
   - Select two science courses designed for majors 3 hrs + GEP

3. Basic Core requirements (21 hrs)
   - COP 3330 Intro to OOP Programming
   - COP 3502C Computer Science I
   - COP 3503C Computer Science II
   - STA 2023 Statistical Methods I
   - ENC 3241 Technical Report Writing
   - CDA 3103C Computer Organization
   - COT 3100C Intro to Discrete Structures
   - PHI 3626 Ethics in Science and Technology
   - COP 3960 Foundation Exam (PR:COT 3100 & COP 3502)
   - MAC 2312 Calculus with Analytic Geom II
   - Select any science course designed for majors
   - Examples of acceptable science courses include:
     - CHM 2045C Chem. Fund I
     - CHM 2046 Chem. Fund II
     - MAC 2311 Calculus
     - MAC 2312 Calculus
     - PHY 2048 & L Physics for Engr. & Sci. I & Lab
     - PHY 2049 & L Physics for Engr. & Sci. II & Lab

4. Intermediate Core (6 hrs)
   - COP 3402C Systems Software
   - COP 3530C Computer Science III

5. Advanced Core (12 hrs)
   - Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.
   - CDA 4150 Comp Architecture
   - COT 4210 Discrete Comp Structures
   - COP 4020 Programming Languages I
   - COP 4600 Operating Systems

6. Restricted Electives (18 hrs)
   - 4000-5000 level Computer Science courses that
     - must include COP 4810 (Topics in Computer Science).
     - Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internships or cooperative education credits are allowed.
   - 4000-5000 level mathematics or statistics 6 hrs
   - courses from: STA, MAP, MAA, MAD, MAS prefixes and MAC 2313, MAP 2302, MAS 3105, and MAS 3106. No independent study hours, internship, or cooperative education hours are allowed.

7. School Exit Requirements
   - Complete an exit survey
   - Computer Competency met by completion of major

8. Foreign Language Requirements (0-4 hrs)
   - Admission: Two years high school, or one year college language

Integrated BS/MS Degree Program

The Computer Science program offers the Integrated BS/MS degree to students of high academic standing. This program allows up to nine graduate hours to be substituted for specified BS requirements. See advisor for appropriate substitutions.

FIRST YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall 16 hrs</th>
<th>Spring 13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 English Comp I</td>
<td>3</td>
<td>ENC 1102 English Comp II</td>
</tr>
<tr>
<td>SPC 1016 Tech Presentations</td>
<td>3</td>
<td>MAC 2312 Calc with Analy Geo II</td>
</tr>
<tr>
<td>MAC 2311 Calc with Analy Geo I</td>
<td>4</td>
<td>COP 3502 Comp Science I</td>
</tr>
<tr>
<td>COP 3223 C Programming</td>
<td>3</td>
<td>COP 3330 Intro to COP Java</td>
</tr>
<tr>
<td>Social Foundations</td>
<td>3</td>
<td>Social Foundations</td>
</tr>
</tbody>
</table>

SECOND YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall 13 hrs</th>
<th>Spring 17 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3100C Discrete Structures</td>
<td>3</td>
<td>COP 3503C Comp Science II</td>
</tr>
<tr>
<td>COP 3502C Comp Science II</td>
<td>3</td>
<td>STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td>COP 3960 Foundation Exam</td>
<td>3</td>
<td>PHY 2048 Physics for Sci w/lab</td>
</tr>
<tr>
<td>BSC 2010 Gen Biology I</td>
<td>4</td>
<td>MAC 2312 Calculus</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
<td>Social Foundations</td>
</tr>
<tr>
<td>Cultural/Historical Foundations</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

SUMMER 6 hrs

| Semester | COP 3530 Comp Sci III | 3 |
| COP 3402 Systems Software | 3 |

THIRD YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall 13 hrs</th>
<th>Spring 12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2049 Physics for Sci II w/lab</td>
<td>4</td>
<td>Math/Stat Restricted elect</td>
</tr>
<tr>
<td>COP 4020 Programming Langs</td>
<td>3</td>
<td>COP 4150 Computer Arch</td>
</tr>
<tr>
<td>ENC 3241 Tech Rept Writing</td>
<td>3</td>
<td>Math/Stat Restricted elect</td>
</tr>
<tr>
<td>PHI 3626 Ethics in Science</td>
<td>3</td>
<td>COP 4232 Softw Syst Dev</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

FOURTH YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall 12 hrs</th>
<th>Spring 12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4210 Discrete Struct II</td>
<td>3</td>
<td>COP 4810 Topics in CS</td>
</tr>
<tr>
<td>CS Elective</td>
<td>3</td>
<td>CS Elective</td>
</tr>
<tr>
<td>Social Foundations</td>
<td>3</td>
<td>Social Foundations</td>
</tr>
<tr>
<td>Cultural/Historical Foundations</td>
<td>3</td>
<td>Multicultural Elective</td>
</tr>
</tbody>
</table>
CRIMINAL JUSTICE (B.A./B.S.)
College of Health and Public Affairs
HPA 311  407-823-2603
http://www.coehpa.ucf.edu/crim.jus/
Undergraduate Program Coordinator: David Fabianic
E-mail: cjadvise@mail.ucf.edu

Admission Requirements

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Students must earn a minimum 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     - Select ENC 1101
   - B. Cultural Historical Foundations
     - Select AMH 2010, ARH 2050, Elective
   - C. Mathematical Foundations
     - Select MGF 1106
   - D. Social Foundations
     - Select PSC 1121
   - E. Science Foundations
     - Select SYG 2000 or MCB 1310

2. Core Requirements (18 hrs)
   - CCJ 3024
   - CCJ 3014
   - CJL 3510
   - CJE 4014
   - CCJ 4701

3. 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 credits.
   - 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.

4. Upper Division Unrestricted Electives (none)

5. Departmental Exit Requirements (120 hrs)
   - Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice.

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: 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.

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).

Total Semester Hours Required
120 hours

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

Freshman Year
Fall
ENC 1101 14 hrs
MGF 1106 or MAC 1105 3 hrs
PSY 2012 or SYG 2000 or ANT 2000 3 hrs
EUH 2000 or HUM 2111 3 hrs
or AMH 2100, ARH 2050, THE 2000, or REL 3300
CCJ 3014 3 hrs
CCJ 3024 3 hrs
Spring
ENC 1102 3 hrs
CGS 1060C 3 hrs
PSY 2012 or SYG 2000 or ANT 2000 3 hrs
PHI 2100 or MUL 2100 3 hrs
Elective 3 hrs
Sophomore Year
Fall
SPC 1121 15 hrs
EUH 2000 or HUM 2000 3 hrs
AMH 2010 3 hrs
CJC 3010 3 hrs
Supporting Elective 3 hrs
Supporting Elective/Foreign Language 3 hrs
Elective 3 hrs
Spring
CCJ 3024 15 hrs
CJC 4701 3 hrs
Elective 3 hrs
Senior Year
Fall
CCJ Internship or CJ Elective 3 hrs
Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective/Foreign Lang. 3 hrs
Elective 3 hrs
Elective 3 hrs
Spring
CJ Elective 9/15 hrs
CJC 3010 3 hrs
CCJ 4701 3 hrs
CJ Elective3 hrs
Supporting Elective/Foreign Language 3 hrs
Elective 3 hrs
Elective 3 hrs
Elective 3 hrs

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., B.S.)
College of Arts and Sciences
School of Film and Digital Media
http://www.dm.ucf.edu
E-mail: digitalmedia@dm.ucf.edu
Director of School: T. Frederick

Head of Digital Media Division: J. Michael Mosheull
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 an 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 Sciences, but draws on courses throughout the university. It recognizes that there are many combinations of courses which meet the needs of individual students. One concentration area (Tools for Visual Language) leads to a Bachelor of Science degree; the others (Visual Language, Digital Music, Tools for Digital Music, Internet and
UCF Degree Programs

Interactive Systems, Writing for Media) 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 laptop computer. Contact Digital Media or see the website (www.dm.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements  
- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 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  
- Communication Foundations  9 hrs
- Cultural and Historical Foundations
  - Take one course from 1.B.1 list 3 hrs
  - Select ARH 2050 or MUL 2010 3 hrs
- Mathematical Foundations
  - If specializing in Visual Language, select ARH 2050.
  - If specializing in Music, select MUL 2010.
  - Take one course from either 1.B.1 or 1.B.2 3 hrs
- Mathematical Foundations 6 hrs
- If specializing in Tools for Visual Language
  - Select MAC 2311 Calculus with Analytic Geo I and COP 3502C Computer Science I
- Select one course from 1.B.3 list 3 hrs

D. Social Foundations 6 hrs
E. Science Foundations 6 hrs
- If specializing in Tools for Visual Language
  - Select PHY 2048 & 2048L Physics Sci & Engr I and
  - Select a course from 1.E.2 list

2. Digital Media Core  
- DIG 3001* Digital Media Principles 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- DIG 3485 Visual Language of Moving Image 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 3821 Creative Digital Problem Solving 3 hrs
- DIG 4526C Digital Media Production II 3 hrs
- DIG 4XXX User-Centered Design 3 hrs
- IDS 3701C Internet Software Design 3 hrs

3. Specialization. Choose one of the following 6 areas:

   A. Communication Foundations 9 hrs
   - Select one course from 1.B.1 list
   - Select ARH 2050 or MUL 2010
   - Take one course from either 1.B.1 or 1.B.2
   - Select one course from 1.E.2 list

3B: Visual Language - Basic Concentration: (15 hrs)
- DIG 3485 Visual Language of Moving Image 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 3821 Creative Digital Problem Solving 3 hrs
- DIG 4526C Digital Media Production II 3 hrs
- DIG 4XXX User-Centered Design 3 hrs
- IDS 3701C Internet Software Design 3 hrs

3B: Visual Language - Advanced Concentration: (21 hrs)
- DIG 3485 Visual Language of Moving Image 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 3821 Creative Digital Problem Solving 3 hrs
- DIG 4526C Digital Media Production II 3 hrs
- IDS 4325C Look Modeling Workshop 3 hrs
- IDS 4326C Geometrical Modeling Workshop 3 hrs
- IDS 4786C Production Software Workshop 3 hrs
- Electives*, Independent Studies or Senior Project 9 hrs

3C: Visual Language - Advanced Concentration: (21 hrs)
- DIG 3485 Visual Language of Moving Image 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 3821 Creative Digital Problem Solving 3 hrs
- DIG 4526C Digital Media Production II 3 hrs
- IDS 4325C Look Modeling Workshop 3 hrs
- IDS 4326C Geometrical Modeling Workshop 3 hrs
- IDS 4786C Production Software Workshop 3 hrs
- Electives*, Independent Studies or Senior Project 9 hrs

3D: Tools for Visual Language - Advanced Concentration: (21 hrs)
- COP 3530C Computer Science III 3 hrs
- COP 3330C Introduction to Discrete Structures 3 hrs
- COP 3100C Foundation Exam 0 hrs
- DIG 3524 The Production Process 3 hrs
- DIG 4204 Generating and Manipulating Digital Imagery 3 hrs

3D: Tools for Visual Language - Advanced Concentration: (21 hrs)
- COP 3530C Computer Science III 3 hrs
- COP 3330C Introduction to Discrete Structures 3 hrs
- COP 3100C Foundation Exam 0 hrs
- DIG 3524 The Production Process 3 hrs
- DIG 4204 Generating and Manipulating Digital Imagery 3 hrs

4. Writing for Media (B.A.): (45 hrs)

   A. Communication Foundations 9 hrs
   - Select two of
     - COP 3530C Computer Science III 3 hrs
     - COP 3330C Introduction to Discrete Structures 3 hrs
   - Select one course
     - DIG 4325C Look Modeling Workshop 3 hrs
     - IDS 4786C Production Software Workshop 3 hrs
     - Electives*, Independent Studies or Senior Project 9 hrs

   B. Writing for Media - Basic Concentration: (15 hrs)
   - ENC 1101 Composition I GEP
   - ENC 1102 Composition II GEP
   - ENC 2310 Introduction to Computer Art Core
   - MAC 1105 College Algebra GEP
   - Select one course
     - ARH 2050 History of Western Art I GEP
     - ARH 2051 History of Western Art II
   - Select one course
     - ENC 4415 Digital Rhetoric & Dialectic 3 hrs

   C. Writing for Media - Advanced Concentration: (15 hrs)
   - ENC 3310 Magazine Writing
   - ENC 4215 Techniques of Tech. Publication
   - ENC 4218 Visual Elements in Documentation
   - ENC 4265 Writing for Computer Industry
   - ENC 4280 Tech Writing Style
   - ENC 4293 Technical Documentation I

Note: Although the Program maintains a small computer lab for student use, Digital Media majors must have continual access to a laptop computer. Contact Digital Media or see the website (www.dm.ucf.edu) for the minimum hardware and software specifications.
Digital Music (B.A.): (44 hrs)
This specialization is designed for those with substantial prior musical experience.

3A: Digital Music - Common Program Prerequisites: (10 hrs)
- COP 2500C Concepts in Computer Science GEP
- GRA 2101C Introduction to Computer Art Core
- MAC 1105 College Algebra GEP
- MUL 2010 Enjoyment of Music GEP
- MUS 1010 Music Forum (four semesters) 0 hrs
- MUN XXXX Ensembles (four semesters) 4 hrs
- MVBM/VKM/VPM/VMV Performance (four semesters) 8 hrs
- MUC 1101C Composition I 2 hrs
- MUC 2104C Composition II 2 hrs

3B: Digital Music - Basic Concentration: (19 hrs)
Note: An audition is required for these courses.
- MUC 3311 MIDI Sequencing I 3 hrs
- MUS 1010 Music Forum (four semesters) 0 hrs
- MUN XXXX Ensembles (four semesters) 4 hrs
- MVBM/VKM/VPM/VMV Performance (four semesters) 8 hrs
- MUC 1101C Composition I 2 hrs
- MUC 2104C Composition II 2 hrs

3C: Digital Music - Advanced Concentration: (15 hrs)
- FIL 4294 Sound Design III 3 hrs
- FIL 4293C Sound Design II 3 hrs
- MUC 4313 MIDI Sequencing III 3 hrs
- MUC 4441 MIDI Sequencing II 3 hrs
- MUC 4612C Film/Video Composition 3 hrs

Tools for Digital Music (B.A.): (39 hrs)
This specialization is designed for those who need to acquire a basic background in music.

3A: Tools for Digital Music - Common Program Prerequisites: (5 hrs)
- COP 2500C Concepts in Computer Science GEP
- GRA 2101C Introduction to Computer Art Core
- MUL 2010 Enjoyment of Music GEP
- MUC 1111 Music Theory I 2 hrs
- MUC 1112 Music Theory II 2 hrs
- MUC 1241 Ear Training/Sight Singing IA 1 hr

3B: Tools for Digital Music - Basic Concentration: (14 hrs)
- MUC 1101C Composition I 2 hrs
- MUC 2104C Composition II 2 hrs
- MUE 2440 String Techniques 1 hr
- MUE 2470 Percussion Techniques 1 hr
- MUN 3443 Percussion Ensemble 1 hr
- MUN 3443 Ensemble 1 hr
- MUS 2360C Introduction to Music Technology 3 hrs
- MUC 1111 Class Piano I 1 hr
- MUC 2121 Class Piano II 1 hr
- MUC 3133 Class Piano III 1 hr

3C: Tools for Digital Music - Advanced Concentration: (20 hrs)
Note: A portfolio review is required for admission to these courses.

Internet and Interactive Systems (B.A.): (42 hrs)

3A: Internet - Common Program Prerequisites: (6 hrs)
- ART 2201C Design Fundamentals-2D 3 hrs
- DIG 3286C* Assembling Digital Media 3 hrs
- GRA 2101C Introduction to Computer Art Core
- MAC 1105 College Algebra GEP
- Select one course
  - ARH 2050 History of Western Art I
  - ARH 2051 History of Western Art II
  - MUL 2010C Enjoyment of Music
- *See transfer notes for possible substitutes.

3B: Internet - Basic Concentration: (18 hrs)
- COP 2500C Concepts in Computer Science GEP
- DIG 3286C* Assembling Digital Media 3 hrs
- DIG 4716L Interactive Internet Interaction 3 hrs
- ENC 4415 Digital Rhetoric & Dialectic 3 hrs
- FIL 3825 Interactive Entertainment 3 hrs
- MUC 3311 MIDI Sequencing I 3 hrs
- MUS 2360C Intro to Music Technology or
- PHI 3626 Adv Ethics in Science & Technology 3 hrs

3C: Internet - Advanced Concentration:
Select any six of the following courses (18 hrs)
- DIG 3125C Digital Imagery
- DIG 3450C Interactive Performance I
- DIG 3485 Visual Language of the Moving Image
- DIG 3865 Converging Media
- DIG 4324 Modeling for Realtime Systems II
- DIG 4524L Digital Media Project 1 (Subject to acceptance)
- DIG 4640 Autonomous Media
- DIG 4641 Creative Digital Devices
- DIG 4715C Game Design
- DIG 4715C Game Engines
- DIG 4780 Modeling for Realtime Graphics
- DIG 4921C Media for E-Commerce I
- DIG 4922 Media for E-Commerce II
- EXP 5256 Human Factors I
- FIL 3292 Sound Design I
- FIL 4293C Sound Design II
- IDS 4703 Digital Media Project 2 (Subject to acceptance)
- IDS 4728 UNIX for Graphic Production
- 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 (3 hrs)
- DIG 3035L Digital Media Service I 1 hr
- DIG 4522L Digital Media Service II 1 hr
- DIG 4523L Digital Media Service III 1 hr

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.

BS Requirements:
Admission: Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: None

6. Electives (variable)
Electives will consist of 3000 and 4000-level courses as approved by the student’s advisor. These electives may include DIG 4524L Digital Media Project 1 or 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

UCF Degree Programs
UFC Degree Programs

a prerequisite for all Computer Science courses and still must be taken.

- DIG 3001 (Digital Media Principles) may use DIG 2000 (Introduction to Digital Media)
- ART XXXX - Intro to Computer Graphics/Art or Computer Graphics for Artists) may use GRA 2101C or GRA 2101C
- ART XXXX - Design Fundamentals I may use ART 2201C or DIG 3485
- ART XXXX - Video Production and Editing may use IDS 3782C, DIG 3286C, FIL 2224C, or RTV 3283C

EARLY CHILDHOOD EDUCATION (PRE-KINDERGARTEN THROUGH GRADE 3) (B.S.)

College of Education
Department of Child, Family, and Community Sciences, ED 209
http://pegasus.cc.ucf.edu/~eceucf

Program Coordinator: Lynn Hartle
ED 206-K, 407-823-4163
E-mail: lhartle@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
   SPC 1600 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundations* (9 hrs)
   AMH 2010 U.S. History 1492-1877 3 hrs
   AMH 2020 U.S. History 1877-Present 3 hrs
   PHI 2010 Introduction to Philosophy 3 hrs

C. Mathematical Foundations* (6 hrs)
   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)
   POS 2041 American National Government 3 hrs
   PSY 3021 General Psychology 3 hrs

E. Science Foundations (6 hrs)
   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)

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 2233 College Algebra 3 hrs
   MGF 1106 Finite Mathematics 3 hrs
   STA 1060C Basic Statistics using MS Excel or
   STA 2014C Principles of Statistics 3 hrs

D. Social Science/History
   AMH 1210 U.S. History 1492-1877 GEP
   AMH 2020 U.S. History 1877-Present GEP
   POS 2041 American National Government GEP
   PSY 2021 General Psychology GEP

E. Science
   PHY 2053 University Physics I GEP
   PSC 1121 Physical Science 1 hr
   Select one of the following (per GEP)
   ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs
   ART 2000 History of Art 3 hrs
   GEO 1200 Physical Geology 3 hrs
   GLY 1030 Geology and Its Applications 3 hrs

F. Education Courses (9 hrs)
   EDF 3120 Observing Child Growth & Development 3 hrs
   EEC 3268 Play Development 3 hrs
   ESL 4130 Issues in Second Language Acquisition 3 hrs
   EEC 4943 Student Teaching (Internship II) 12 hrs

G. Diversity Courses (6 hrs)
   EEX 3450 Young Children with Special Needs 3 hrs
   MUE 2211 Music & Movement in Early Childhood 3 hrs
   EDF 3740 Foundations of ECE 3 hrs
   EDF 3741 Observation of Children 3 hrs
   EEX 3450 Young Children with Special Needs 3 hrs
   EEC 3268 Play Development 3 hrs
   EEC 4943 Student Teaching (Internship II) 12 hrs

3. Early Childhood Pre-professional Requirements (6 hrs)

Offered summer semesters. Must be taken prior to Internship II

ARE 2011 Art & Creativity in Early Child Education 3 hrs
MUE 2211 Music & Movement in Early Childhood 3 hrs

4. Early Childhood Specialization Requirements

Early Childhood Education majors take a variety of courses related to young children, their learning, their development, and family environment. Students majoring in Early Childhood Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices. Early and continuous field experiences are provided to enhance the Early Childhood Education major’s program and to integrate theory and practice in actual school settings. Throughout the Early Childhood Education program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. Required Courses are as follows:

Semester I (15 hrs)

EDF 3740 Foundations of ECE 3 hrs
EDF 3741 Observation of Children 3 hrs
EEX 3450 Young Children with Special Needs 3 hrs
TSL 4080 Theory and Practice of Teaching ESL 3 hrs
EEX 3450 Young Children with Special Needs 3 hrs
TSL 4080 Theory and Practice of Teaching ESL 3 hrs

Semester II (15 hrs)

EDF 3740 Foundations of ECE 3 hrs
EED 3450 Young Children with Special Needs 3 hrs
TSL 4141 Issues in Second Language Acquisition 3 hrs
RED 3310 Emergent Literacy 3 hrs
RED 3012 Basic Foundations of Reading 3 hrs

Semester III (15 hrs)

EDF 3740 Foundations of ECE 3 hrs
EED 3450 Young Children with Special Needs 3 hrs
TSL 4141 Issues in Second Language Acquisition 3 hrs
RED 3310 Emergent Literacy 3 hrs
RED 3012 Basic Foundations of Reading 3 hrs

Summer (6 hrs)

Offered summer semesters. Must be taken prior to Internship II

EEX 4751 Parent Involvement 3 hrs
ECE 4731 Health, Safety, & Nutrition 3 hrs
EEX 4751 Parent Involvement 3 hrs
ECE 4731 Health, Safety, & Nutrition 3 hrs

Semester IV (15 hrs)

EDF 3740 Foundations of ECE 3 hrs
EED 3450 Young Children with Special Needs 3 hrs
TSL 4141 Issues in Second Language Acquisition 3 hrs
RED 3310 Emergent Literacy 3 hrs
RED 3012 Basic Foundations of Reading 3 hrs

5. Internships

Internships comprise a critical part of the Early Childhood Education program. Therefore, it is crucial that the students are aware of the expectations and requirements of internship placements. For detailed information including requirements and application deadlines see the Undergraduate Catalog, College of Education, Office of Clinical Experiences.
### ECONOMICS (B.A.)

**College of Business Administration**  
Department of Economics, BA2 305, 407-823-3266  
[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)  
E-mail: rpennington@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**  
- 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  
     - Required: SPC 1600  
   - B. Cultural and Historical Foundations  
   - C. Mathematical Foundations  
     - Select MAC 1105 College Algebra  
     - Select STA 2023 Principles of Statistics  
     - Select STA 2023 Principles of Statistics
   - D. Social Foundations  
     - Select ECO 2013 Macroeconomics or  
     - ECO 2023 Microeconomics, PSY 2012,  
     - SYG 2000 or ANT 2000  
   - E. Science Foundations  
     - Select ECO 2013 Macroeconomics or  
     - ECO 2023 Microeconomics

2. **Common Program Prerequisites** (3 hrs)  
   - ECO 2013 Macroeconomics  
   - ECO 2023 Microeconomics

3. **Core requirements** (15 hrs)  
   - ECO 3101 Intermediate Price Theory  
   - ECO 3203 Aggregate Eco Conditions Anal  
   - ECO 3401 Quantitative Business Tools I  
   - ECO 3411 Quantitative Business Tools II  
   - ECO 4461 Research Methods in Economics

4. **Upper Division Restricted Electives** (18 hrs)  
   - All economics majors will be required to take six (6) electives by choosing one of the following three options:  
     - A. Standard Option – Select any six (6) 3000-4000 level economics courses other than those required above.  
     - B. International Option: Select any six (6) courses from the following list:  
       - ECO 3703 International Economics  
       - ECO 3723 International Commercial Policy  
       - ECO 4701 The Global Economy  
       - ECS 4003 Comparative Economic Systems  
       - ECS 4013 Economic Development  
       - ECS 4231 The Japanese Economy  
       - ECS 4303 Economics of European Integration  
       - ECS 4204 Economics of the Pacific Rim  
       - ECS 4210 The Chinese Economy  
       - ECS 4442H Economic Development of Mexico and Central America  
       - ECO 4941* Economics Internship  
     - Requires departmental approval  
   - C. Multi-disciplinary Option – Select any four (4) economics courses from the standard option of restricted electives  
   - PLUS any two courses from any one emphasis in consultation with faculty advisor.  

   **Emphasis**  
   - Emphasis 1 Political Economy  
   - Emphasis 2 Area Studies  
   - Emphasis 3 International Business  
   - Emphasis 4 Human Resources  
   - Emphasis 5 Legal Studies  
   - Emphasis 6 Financial Economics

---

### 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 lan-
guage in high school.)

### 7. Departmental Exit Requirements  
- Achieve a minimum 2.5 GPA in all courses within the major.  
- Complete a portfolio according to program guidelines. This port-
folio 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 res-
idency 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)

### 9. Total Semester Hours Required  
127 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.

### 10. Recommended Four-Year Sequence of Courses

#### Freshman Year  
<table>
<thead>
<tr>
<th>Fall</th>
<th>(12 hrs)</th>
<th>Spring</th>
<th>(16 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>3 hrs</td>
<td>EDG 2701</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
<td>MAC 1105</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
<td>PHI 2010</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PSC 1121</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>+ lab 1 hr</td>
<td></td>
</tr>
</tbody>
</table>

#### Summer  
<table>
<thead>
<tr>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
</tr>
<tr>
<td>SPC 1600</td>
</tr>
</tbody>
</table>

#### Sophomore Year  
<table>
<thead>
<tr>
<th>Fall</th>
<th>(15 hrs)</th>
<th>Spring</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>3 hrs</td>
<td>AMH 2020</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>3 hrs</td>
<td>AST 2002</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>3 hrs</td>
<td>Arts &amp; Sci elec</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2050 or</td>
<td>3 hrs</td>
<td>Arts &amp; Sci elec</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051 or MUL 2010 or</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 2000 or FIL 2400</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STA 2014C</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Summer  
<table>
<thead>
<tr>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 2111</td>
</tr>
<tr>
<td>MUE 2211</td>
</tr>
</tbody>
</table>

#### Junior Year  
<table>
<thead>
<tr>
<th>Fall</th>
<th>(15 hrs)</th>
<th>Spring</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Section 4, Semester I above</td>
<td>See Section 4, Semester II above</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Summer</td>
<td>(6 hrs)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>See Section 4, Summer Semester</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Year  
<table>
<thead>
<tr>
<th>Fall</th>
<th>(12 hrs)</th>
<th>Spring</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Section 4, Semester III above</td>
<td>See Section 4, Semester IV above</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**UCF Degree Programs**  
133
5. Required Minor (18 hrs min)  
Completion of a minor in one of the following:  
Digital Media, Computer Science, History, Mathematics, Statistics,  
the Social and Behavioral Sciences, or Technical Writing.

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 Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives (variable)  
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 36 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted  
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 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  
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses and will need to be taken.

ECONOMICS (B.S.B.A.)  
College of Business Administration  
BA2 101, 407-823-2184  
http://www.bus.ucf.edu/economics  
R. Pennington; 407-823-3266, rpennington@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 9 hrs  
   SelectMAC 1105 College Algebra 3 hrs  
   Select CGS 2100C Computer Fundamentals for Business 3 hrs  
   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

2. Common Program Prerequisites  
Must be completed with a “C” (2.0) or better.  
ACG 2021 Principles of Financial Accounting 3 hrs  
ACG 2071 Principles of Managerial Accounting 3 hrs  
ECO 2013 Macroeconomics 3 hrs  
ECO 2023 Microeconomics 3 hrs  
ECO 3401 Quantitative Business Tools I 3 hrs  
ECO 3200C 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. Common Body of Knowledge (30 hrs)  
First Semester in the College of Business Administration:  
GEB 3031 Cornerstone 6 hrs  
GEB 3356 Introduction to International Business 3 hrs  
First or subsequent semesters depending on major:  
BUL 3130 Legal & Ethical Environ. 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 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 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 3451 Research Methods in Economics 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 three options:  
A. Standard Option - Select any six (6) 3000-4000 level economics courses other than the three required above.  
B. International Option - Select any six (6) courses from the following list:  
   ECO 3703 International Economics 3 hrs  
   ECO 3723 International Commercial Policy 3 hrs  
   ECO 4701 The Global Economy 3 hrs  
   ECS 4003 Comparative Economic Systems 3 hrs  
   ECS 4013 Economic Development 3 hrs  
   ECS 4231 The Japanese Economy 3 hrs  
   ECS 4204 The Economics of the Pacific Rim 3 hrs  
   ECS 4210 The Chinese Economy 3 hrs  
   ECS 4303 Economics of European Integration 3 hrs  
   ECS 4426 Economic Development of Mexico and Central America 3 hrs  
   ECS 4491 Economics Internship 3 hrs  
*Requires special approval.  
C. Multi-Disciplinary Option - Select any four (4) economics courses from the standard option of restricted electives PLUS any two courses from any one emphasis in consultation with faculty advisor.

Emphasis 1 Political Economy  
Emphasis 2 Area Studies  
Emphasis 3 International Business  
Emphasis 4 Human Resources  
Emphasis 5 Legal Studies  
Emphasis 6 Financial Economics  
Emphasis 7 Quantitative Methods
Four Year Plan of Study - Economics

- A minimum of 12 semester hours must be completed at UCF.
- Florida Public Community College students are advised to complete ACG X001 and X011 will substitute for ACG 2021 at UCF.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF 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 advisement 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.

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, 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 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 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 advisement 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 - Economics

<table>
<thead>
<tr>
<th>Class</th>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>1st Term</td>
<td>ENC 1101*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cul-Hist I*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPC 1600</td>
</tr>
<tr>
<td></td>
<td></td>
<td>***Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>***Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Must complete 9 hours in a summer semester</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACG 2021*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Psy/Soc/Ant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>***Elective</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* &quot;C&quot; (2.0) or better grade required in each class</td>
</tr>
<tr>
<td>Junior</td>
<td>1st Term</td>
<td>GEB 3031</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GEB 3356</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAR 3023</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ECO 3101</td>
</tr>
</tbody>
</table>

***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
Department of Electrical and Computer Engineering,
ENGR 408, 407-823-2786, Fax: 407-823-5835,
http://www.ee.ucf.edu
K. B. Sundaram, E-mail: sundaram@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; see also the section, Orientation, found elsewhere in this catalog.

Degree Requirements:
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program for Engineering Students

The UCF General Education Program (GEP) is described in the 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. Take ENC 1101
   2. Take ENC 1102
   3. Prefer SPC 1016

B. Cultural and Historical Foundations
   9 hrs
   1. Take ENC 1101
   2. Take ENC 1102

C. Mathematical Foundations
   7 hrs
   1. Take MAC 2311, Calculus with Analytic Geometry I, (4 hrs).
   Note: College algebra and trigonometry are prerequisites for Calculus I. See the course descriptions.
   2. Take STA 3032. (3 hrs).
   Note: Calculus II is the prerequisite for this course.

D. Social Foundations
   6 hrs
   1. Take ECO 2013 or ECO 2023.

E. Science Foundations
   7 hrs
   1. Take PHY 2048/48L.

2. Common Program Prerequisites (CPP's)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 1440</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>4</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048/48L</td>
<td>3</td>
</tr>
</tbody>
</table>
UCF Degree Programs

**4. Courses Required for the Major (41 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3004</td>
<td>Electrical Networks</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3306</td>
<td>Semiconductor Devices I</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3307C</td>
<td>Electronics I</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3342C</td>
<td>Intro to Digital Circuits &amp; Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3347</td>
<td>Electromagnetic Fields</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communications</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3857</td>
<td>Linear Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>Intro to Computer Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4309C</td>
<td>Electronics II</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fund.</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4767C</td>
<td>Computer System Design I</td>
<td>4</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:** None

**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 consult with their faculty advisor to develop and maintain an appropriate plan of study.

**Electrical Engineering - 128 semester hours required**

**FIRST YEAR**

<table>
<thead>
<tr>
<th>Term</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td>EEL 4914</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4915L</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Humanities Courses</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Social Sciences Courses</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

**SECOND YEAR**

<table>
<thead>
<tr>
<th>Term</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td>EEL 3006</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3123C</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3307</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3342C</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3347</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3857</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4309C</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4767C</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

**THIRD YEAR**

<table>
<thead>
<tr>
<th>Term</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>13 hrs</td>
<td>13 hrs</td>
</tr>
<tr>
<td>EEL 3006</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3123C</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>STA 3032</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4767C</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3307</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3342C</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

**FOURTH YEAR**

<table>
<thead>
<tr>
<th>Term</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>13 hrs</td>
<td>13 hrs</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3470</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3902C</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4914</td>
<td>3</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. 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.

**Integrated BS/MS Degree Program**

The Electrical Engineering program offers the Integrated BS/MS program to students of high academic standing. This program will accept up to six graduate hours for those taking a non-thesis option. They will accept three graduate hours for students completing a thesis option degree. See advisor for appropriate substitutions.
ELECTRICAL ENGINEERING - MICROELECTRONICS
CONCENTRATION (B.S.E.E.)

College of Engineering and Computer Science
Department of Electrical and Computer Engineering,
ENGR 408, 407-823-2786, Fax: 407-823-5835,
http://www.ee.ucf.edu
K. B. Sundaram, E-mail: sundaram@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 (38 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
      9 hrs
      1. Take ENC 1101
      2. Take ENC 1102
      3. Prefer SPC 1016
   B. Cultural and Historical Foundations
      9 hrs
      1. Take MAC 2311, Calculus with Analytic Geometry I, (4 hrs).
      Note: College algebra and trigonometry are prerequisites for Calculus I. See the course descriptions.
      2. Take STA 2032, (3 hrs)
      Note: Calculus II is the prerequisite for this course.
   D. Social Foundations
      6 hrs
      1. Take ECO 2013 or ECO 2023.
   E. Science Foundations
      7 hrs
      1. Take PHY 2046L.

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.
   CHS 1440 Fundamentals of Chemistry for Eng (CHM 2045C/45L will substitute) 4 hrs
   MAC 2311 Calculus with Analytic Geometry I* GEP
   MAC 2312 Calculus with Analytic Geometry II* 4 hrs
   MAC 2313 Calculus with Analytic Geometry III* 4 hrs
   MAP 2202 Differential Equations* 3 hrs
   PHY 2048L Physics for Engineers & Scientists I* GEP
   PHY 2049L 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 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 1000C Intro to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts & Methods 1 hr
   EGN 3310 Engineering Analysis - Statics 3 hrs
   EGN 3321 Engineering Analysis - Dynamics or
   EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
   EGN 3420 Engineering Analysis 3 hrs
   STA 3032 Probability & Statistics for Engineers GEP
   PHY 3101 Physics for Engineers & Scientists III 3 hrs

4. Courses Required for the Major (41 hrs)
   EEL 3004 Electrical Networks 3 hrs
   EEL 3122C 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 3 hrs
   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 Computer System Design I 4 hrs

5. 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.

6. Departmental Graduation Requirements (6 hrs)
   EEL 4914 Senior Design I 3 hrs
   EEL 4915L Senior Design II 3 hrs
   ECECS 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 hours

Related Programs: Computer Engineering, Computer Science, Electrical Engineering Technology (Electrical Systems Concentration).

Related Minors: none

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 - Microelectronics Concentration 128 semester hours required

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>12 hrs</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EGN 1006C Intro to Engr</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>EGN 1007C Eng Conc &amp; Meth</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ENC 1101 English Comp I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENC 1102 Eng Comp II</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
**UCF Degree Programs**

**Fall** 15 hrs 1  
*PHY 2048L Phys Eng I w/lab 4  
*PHY 2049L Phys Lab En/Sci II 1  
*Cult & Hist Foundations 1a 3  
*MAC 2313 Calc Analytic Geo III 4  
*PHY 2049 Phys for Engr/Sci II 3  
*PHY 2049L Phys Lab En/Sci II 1  

**SECOND YEAR**  
**Fall** 15 hrs 1  
*PHY 2049L Phys Lab En/Sci II 1  
*PHY 2049 Phys for Engr/Sci II 3  
*Cult & Hist Foundations 2 3  
*MAC 2311 Calc Analytic Geo I* 4  
*MAC 2312 Calc Analytic Geo II* 4  
*PHY 2049L Phys Lab En/Sci II 1  

**Summer** 11 hrs 1  
*PHY 2049L Phys Lab En/Sci II 1  
*Cult & Hist Foundations 1a 3  
*MAC 2313 Calc Analytic Geo III 4  
*PHY 2049 Phys for Engr/Sci II 3  
*PHY 2049L Phys Lab En/Sci II 1  

**Spring** 15 hrs 1  
*PHY 2049L Phys Lab En/Sci II 1  
*PHY 2049 Phys for Engr/Sci II 3  
*Cult & Hist Foundations 2 3  
*MAC 2311 Calc Analytic Geo I* 4  
*MAC 2312 Calc Analytic Geo II* 4  
*PHY 2049L Phys Lab En/Sci II 1  

**SUMMER** 11 hrs 1  
*PHY 2049L Phys Lab En/Sci II 1  
*Cult & Hist Foundations 1a 3  
*MAC 2313 Calc Analytic Geo III 4  
*PHY 2049 Phys for Engr/Sci II 3  
*PHY 2049L Phys Lab En/Sci II 1  

**THIRD YEAR**  
**Fall** 14 hrs  
EEL 3522C Analog & Dig. Comm 4  
EEL 4300C Electrons I 4  
EEL 4914 Senior Design I 3  

**Spring** 13 hrs  
EEL 3307C Electronics I 4  
EEL 4300C Electrons I 4  
EEL 4915L Senior Design II 3  
EEL 4915L Senior Design II 3  

**Fall** 14 hrs  
EEL 3306 Semicond Devices I 3  
EEL 4132C Networks and Systems 4  
EEL 4309C Electrons II 4  
EEL 4914 Senior Design I 3  

**Spring** 12/13 hrs  
EEL 3307C Electronics I 4  
EEL 4300C Electrons I 4  
EEL 4915L Senior Design II 3  
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 - WIRELESS COMMUNICATION CONCENTRATION (B.S.E.E.)**  
**College of Engineering and Computer Science**  
K. B. Sundaram, E-mail: sundaram@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 (38 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. Take ENC 1101  
   2. Take ENC 1102  
   3. Prefer SPC 1016  
B. **Mathematical Foundations**  
   7 hrs  
   1. Take MAC 2311, Calculus with Analytic Geometry I (4 hrs).  
   2. Take MAC 2312, Calculus with Analytic Geometry II (4 hrs).  
   3. Take MAC 2313, Calculus with Analytic Geometry III (4 hrs).  
C. **Technical Electives**  
   10 hrs  
   1. Take ECE 1001  
   2. Take ENGR 1000  
   3. Take EE 1000  

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.  
   1. Take PHY 2048/48L  
   2. Take MAC 2311  
   3. Take ENC 1101  
   4. Take ENC 1102  
   5. Take ENC 1102  
   6. Take ECE 1001  
   7. Take ENGR 1000  
   8. Take EE 1000  
   9. Take MAC 2312  
   10. Take MAC 2312  
   11. Take MAC 2313  
   12. Take MAC 2313  

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**  
   (41 hrs)  
   1. Take PHY 2048/48L  
   2. Take MAC 2311  
   3. Take MAC 2312  
   4. Take MAC 2313  

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 students 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 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:** none

**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

### 128 semester hours required

#### FIRST YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C Intro to Engr</td>
<td>1</td>
<td>EGN 1007C Eng Conc &amp; Meth</td>
<td>1</td>
</tr>
<tr>
<td>*ENC 1101 English Comp I</td>
<td>4</td>
<td>*ENC 1102 English Comp II</td>
<td>3</td>
</tr>
<tr>
<td>*CHS 1440 Chem for Engrs</td>
<td>4</td>
<td>*SPC 1016 Tech Presentations</td>
<td>3</td>
</tr>
<tr>
<td>*MAC 2311 Calc Analytic Geo I</td>
<td>4</td>
<td>*MAC 2312 Calc Analytic Geo II</td>
<td>4</td>
</tr>
<tr>
<td>*PHY 2048/L Phys I w/lab</td>
<td>4</td>
<td>*PHY 2049/L Phys II w/lab</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer</th>
<th>11 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Cult &amp; Hist Foundations 1a</td>
<td>3</td>
</tr>
<tr>
<td>*MAC 2313 Calc Analytic Geo III</td>
<td>4</td>
</tr>
<tr>
<td>*PHY 2049 Phys for Engr/Sci</td>
<td>3</td>
</tr>
<tr>
<td>*PHY 2049L Phys Lab EngrSci</td>
<td>1</td>
</tr>
</tbody>
</table>

#### SECOND YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>*MAP 2302 Diff Equations</td>
<td>3</td>
<td>*Cult &amp; Hist Foundations 2</td>
<td>3</td>
</tr>
<tr>
<td>*PHY 2101 Phys Engr/Sci III</td>
<td>3</td>
<td>*EGN 3210 Engr Anal-Statics</td>
<td>3</td>
</tr>
<tr>
<td>*Science Foundations 2</td>
<td>3</td>
<td>EEL 3342C Intro to Dig Circ/Sys</td>
<td>3</td>
</tr>
<tr>
<td>*Social Foundations 1</td>
<td>3</td>
<td>EEL 3801C Intro to Comp Engr 2</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3420 Engineering Anal2</td>
<td>3</td>
<td>EEL 3004 Electrical Networks</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Cult &amp; Hist Foundations 1b</td>
<td>3</td>
</tr>
<tr>
<td>*ECO 2013 Macroeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

#### THIRD YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3306 Semicond Devices I</td>
<td>3</td>
<td>EEL 3307C Electronics I</td>
<td>4</td>
</tr>
<tr>
<td>STA 3032 Prob &amp; Stats for Engr</td>
<td>3</td>
<td>EEL 3657 Linear Control Sys</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4767C Comp Sys Design I</td>
<td>4</td>
<td>EEL 4750 Dg Signal Proc Fund</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3123C Networks and Systems</td>
<td>4</td>
<td>EEL 3321 Engr Anal-Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td>EGN 3358 Ther-Flds-Ht Transfer</td>
<td></td>
</tr>
</tbody>
</table>

### FOURTH YEAR

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3552C Analog &amp; Dig Comm</td>
<td>4</td>
<td>EEL 4515C Dig Comm Systems</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3470 Electromagnetic Flds</td>
<td>3</td>
<td>Approved wireless tech elective</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4309C Electronics II</td>
<td>4</td>
<td>EEL 4915L Senior Design II</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4914 Senior Design I</td>
<td>3</td>
<td>Approved wireless tech elective</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 UCF catalog 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.

**Integrated BS/MS Degree Program**

The Electrical Engineering program offers the Integrated BS/MS program to students of high academic standing. This program will accept up to six graduate hours for those taking a non-thesis option. They will accept three graduate hours for students completing a thesis option degree. See advisor for appropriate substitutions.

## ELECTRICAL ENGINEERING TECHNOLOGY - COMPUTER SYSTEMS CONCENTRATION (B.S.E.E.T.)

### College of Engineering and Computer Science

### Engineering Technology (ENT) Department, ENGR 207

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

**Coordinator:** Alireza Rahrooh
**407-823-4749 Fax:** 407-823-4746
**E-mail:** rahrooh@pegasus.cc.ucf.edu

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

**Admission Requirements** none

**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 (38 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take ENC 1101, ENC 1102</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1016</td>
<td></td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP) (6/8 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2253</td>
<td>3/4 hrs</td>
</tr>
<tr>
<td>or MAC 2311</td>
<td></td>
</tr>
<tr>
<td>MAC 2254</td>
<td>3/4 hrs</td>
</tr>
<tr>
<td>or MAC 2312</td>
<td></td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>Physics II Lab</td>
</tr>
<tr>
<td>or PHY 2049L</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### 3. Engineering Technology Core Requirements (25 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 1059L, ECE 1059S, GEO 1200L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>College Trigonometry</td>
</tr>
<tr>
<td>MAC 2253</td>
<td>Calculus I or</td>
</tr>
<tr>
<td>MAC 2311</td>
<td></td>
</tr>
<tr>
<td>MAP 3401</td>
<td>Problem Analysis or</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus II</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
</tr>
<tr>
<td>or PHY 2054C</td>
<td>Geological Physics I</td>
</tr>
<tr>
<td>or ETC 3541</td>
<td>Applied Mechanics</td>
</tr>
<tr>
<td>or ETI 3511C</td>
<td>Computer Applications</td>
</tr>
<tr>
<td>or ETI 3671</td>
<td>Technical Economic Analysis</td>
</tr>
<tr>
<td>or ETI 3116</td>
<td>Applied Engng Quality Assurance</td>
</tr>
<tr>
<td>or ETI 4448</td>
<td>Project Management</td>
</tr>
</tbody>
</table>

## UCF Degree Programs

139
UCF Degree Programs

4. Technical Specialization (56 hrs)

Lower Level Required and Elective Courses (20 hrs)
- EST 3543C Programmable Logic Controllers 3 hrs
- CET 3323C Digital Technology 4 hrs
- CET 2364 System Applications in C 3 hrs
- EET 3085C Electrodynamics 4 hrs
- EET 1025C Electrical Circuits 4 hrs
- STA 2023 Statistical Methods I GEP

Upper Level Required Courses (30 hrs)
- CET 3198C Digital Systems 3 hrs
- CET 3503 Microcomputer Technology I 3 hrs
- CET 3383 Applied Systems Analysis I 3 hrs
- CET 4333 Computer Organization & Design 3 hrs
- EET 4427 Applied Database I 3 hrs
- CET 4505 Applied Operating Systems I 3 hrs
- EET 3716 Network Analysis 3 hrs
- CET 4138C Digital Programmable Devices 3 hrs
- CET 4134C Microprocessor Elec II 3 hrs
- CET 4429 Applied Database II 3 hrs

Total Semester Hours Required: 128 hours

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)

Senior Year
- Fall 15 hrs Spring 14 hrs
- ETT 4144 Appl Proj Management 3 hrs
- CET 3503 Microcomputer Tech I 3 hrs
- CET 4505 Appl Oper Sys I 3 hrs
- ETI 4651C Computer Appl 3 hrs
- CET Elective 3 hrs

9. Approved Technical Electives

10. 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

5. Departmental Exit Requirement (3 hrs)
- ETG 4950C Senior Design Project 3 hrs
- A grade of 2.0 or better is required in all prerequisites.

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.ent.ucf.edu
Coordinator: Alireza Rahrooh
407-823-4749 Fax: 407-823-4746
E-mail: rahrooh@pegasus.cc.ucf.edu
http://www.ent.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 (38 hrs)
- A. Communication Foundations 9 hrs
  - Select ENC 1101, 1102
- B. Cultural and Historical Foundations 9 hrs
  - Prefer SPC 1016
- C. Mathematical Foundations 9 hrs
  - MAC 2311
- D. Social Foundations 6 hrs
  - STA 2023
- E. Science Foundations 4 hrs
  - MAC 2312

2. Common Program Prerequisites (CPP) (6/8 hrs)
- MAC 2233 or MAC 2311
- MAC 2233 or MAC 2312
- PHY 2053C or PHY 2048/L
- GE or Calculus I
- GE or Calculus II or equiv
- GE

3. Engineering Technology Core Requirements (25 hrs)
- BSC 1005/L, BSC 1050/L, or GEO 1200/L 4 hrs
- MAC 2353 or MAP 3401 4 hrs

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.
ENT Departmental Residency Requirements consist of at least
Courses transferred must be formally evaluated for equivalency
Courses taken from Community Colleges do not substitute for
Students entering a UCF undergraduate program and having a
Transfer Notes:
Related Minors: none
Upper Level Required Courses
Select 7 hours from courses listed below:
EET 4723C Feedback Control Systems 3 hrs
EET 4339C Antennas and Propagation 3 hrs
EET 4158C Linear Int Cir 3 hrs
EET 4329C Communication Systems 4 hrs
CET 4333 Computer Organization & Design 3 hrs
CET 4134C Microprocessor Electronics II 3 hrs
CET 3143C Digital Systems 3 hrs
EET 3716 Network Analysis 3 hrs
EET 4359C Digital Communications 4 hrs
Upper Level Technical Electives (9 hrs)
EET 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 (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 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 hours
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 must 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 Electrical 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 15/16 hrs
MAC 2253 Applied Calc I 3/4 MAP 3401 Problem Analysis or 3/4
MAC 2311 Calc w/Anal Geom I 3 ETG 3541 Applied Mechanics 3
ETG 3503 Microcom Tech I 3 CET 3198C Digital Systems 3
PHY 2054C/2049 Physics II 4 EET 3716 Network Analys 3
ETI 3116 App Eng Quality Assur 3 PHY 2054C/2049 Physics II 4
ETI 4448 Applied Project Management 3

Senior Year
Fall 12 hrs Spring 13 hrs
EET 4548 Power Systems 3 ETI 4448 Applied Project Management 3
ETI 4158C Linear Int Cir 3 CET 3198C Digital Systems 3
ETG 3541 Applied Mechanics 3 EET 3716 Network Analys 3
ETG 3503 Microcom Tech I 3 PHY 2054C/2049 Physics II 4
ETI 3671 Tech Economic Analysis 2

ELECTRICAL ENGINEERING TECHNOLOGY (BSEET) AS to BSEET TRACK
Note: For detailed information about this program, see the AS to BS Program section.

ELECTRICAL ENGINEERING TECHNOLOGY - PHOTONICS CONCENTRATION (B.S.E.E.T.)
College of Engineering and Computer Science Engineering Technology (ENT) Department, ENGR 207
http://www.ent.ucf.edu
Coordinator: Al Ducharme
407-823-0770 Fax: 407-823-4746
E-mail: ducharme@mail.ucf.edu
http://www.entr.uc.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
(38 hrs)
A. Communication Foundations 9 hrs
Select ENC 1101, 1102
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
1. MAC 1105 3 hrs
2. STA 2023 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations 4 hrs
1. BSC 1005L, BSC 1050L, or GEO 1200L 4 hrs
2. PHY 2053C 4 hrs
2. Common Program Prerequisites (CPP)
(6/8 hrs)
MAC 2253 or Calculus I 3/4 hrs
MAC 2311 3/4 hrs
MAC 2264 or Calculus II or equiv 3/4 hrs
MAC 2312 3/4 hrs
PHY 2053C or Physics I/II/Lab 4 hrs
GE 141
UFC Degree Programs

MAC 1105 College Algebra GEP
MAC 114 College Trigonometry 3 hrs
MAC 2253 or Calculus I CPP
MAC 2311 Problem Analysis or CPP
MAC 2312 Calculus II CPP
PHY 2053C College Physics I CPP
PHY 2054C College Physics II 3 hrs
ETG 3541 Applied Mechanics 3 hrs
ETI 3671 Technical Economic Analysis 3 hrs
ETI 3116 Applied Engineering Quality Assurance 3 hrs
ETI 4448 Applied Project Management 3 hrs

4. Technical Specialization (59 hrs)
Lower Level Required (24 hrs)
EST 3543C Photonics Communication 3 hrs
EST 3264 System Applications in C 3 hrs
EST 1141C Analogue Devices 4 hrs
EST 2142C Analogue Circuits 4 hrs
EST 2025C Electrical Circuits 4 hrs
EST 3085C Electricity and Electronics 4 hrs
STA 2023 Statistical Methods I GEP
Lower level elective 2 hrs

Upper Level Required Courses (33 hrs)
EET 3716 Network Analysis 3 hrs
EET 4158C Linear Integrated Circuits 3 hrs
EET 4548 Power Systems 3 hrs
EST 3222 Intro to Photonics 3 hrs
EST 3213 Photonics Simulation 3 hrs
EST 3211 Wave Photonics 3 hrs
EST 4236 Laser Systems Technology 3 hrs
EST 4247 Photonics Sensors and Devices 3 hrs
EST 4256 Photonics Communication 3 hrs

Upper Level Technical Electives (3 hrs)
Check with ENT faculty advisor for approved electives.

5. Departmental Exit Requirement (3 hrs)
- 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 60 hours of course 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 meet there have 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 2046/L can substitute for PHY 2053C.

Tentative Course Schedule for the Electrical 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 14/15 hrs
MAC 2553 Applied Calc I 3/4 MAP 3401 Problem Analysis or 3/4
or MAC 2212 Calculus II or ETI 3672 Laser Systems Tech 3
MAC 2311 Calc w/Anal Geom I 3 EST 3222 Laser Photonics 3
ETG 3541 Applied Mechanics 3 ETI 3676 Network Analys 3
ETI 3222 Intro to Photonics 3 PHY 2054C/2049 Physics II 4
STA 3116 Appl Eng Quality Assur 3 ETI 3671 Tech Economic Analysis 2
ETI 4448 Applied Project Management 3

Senior Year
Fall 15 hrs           Spring 15 hrs
EET 4548 Power Systems 3 EST 4256 Photonics Comm 3
EET 4158C Linear Int Cir 3 CET/EEET Approved Elective 3
ETI 3116 App Eng Quality Assur 3 EST 3543C Prog Logic Cont 3
EST 3213 Photonics Simulation 3 ENC 3241 Writing Tech Pros 3
EST 4227 Photonics Sensor 3 EST 4259C Photonic System 3

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 consult with an advisor

1. UCF General Education Program (36 hrs)
A. Communication Foundations (9 hrs)
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1500 Fundamentals of Oral Communication 3 hrs
B. Cultural-Historical Foundations (9 hrs)
- AMH 2010 U.S. History 1492-1877 3 hrs
- AMH 2020 U.S. History 1877-Present 3 hrs
- PHI 1010 Introduction to Philosophy 3 hrs
C. Mathematical Foundations (6 hrs)
- MGF 1106 Finite Mathematics 3 hrs
- STA 100C Basic Statistics using MS Excel or
- STA 2014C Principles of Statistics 3 hrs
D. Social Foundations (6 hrs)
- POS 2041 American National Government 3 hrs
- PSY 212 General Psychology 3 hrs
- E. Science Foundations (6 hrs)
- PSC 1121 Physical Science 3 hrs
- Select one: 3 hrs
- ANT 2511 The Human Species or
- BSC 1005 Biological Principles 3 hrs

Note: See laboratory component under Section 2.
2. Common Program Prerequisites (29 hrs)

A. Communications (9 hrs)
- ENC 1101: Composition I or ENC 1102: Composition II
- SPC 1600: Fundamentals of Oral Communication

B. Humanities (6 hrs)
- PHI 2010: Introduction to Philosophy
- ARH 2050: The History of Art I or ARH 2051: The History of Art II
- MUL 2010: Enjoyment of Music or THE 2000: Theatre Survey or FIL 2400: History of Motion Pictures

C. Mathematics (9 hrs + lab)
- MAC 1105: College Algebra
- MGF 1106: Finite Mathematics

D. Social Science/History (12 hrs)
- One of the following (per GEP)
  - STA 1060C: Basic Statistics using MS Excel or STA 2014C: Principles of Statistics

E. Science (9 hrs + lab)
- ARH 2050: The History of Art I
- Select one:
  - SPC 1600: Fundamentals of Oral Communication
  - ENC 1101: Composition I or ENC 1102: Composition II

F. Education Courses (9 hrs)
- Select one:
  - AST 2002: Astronomy
  - GEO 1200: Physical Geography
  - GLY 1030: Geology and its Applications

G. Diversity Courses GEP
- Select one:
  - PSC 1121: Physical Science
  - BSC 1005: Biological Principles

H. Other Program Prerequisites (10 hrs)
- MAE 2801: Elementary School Mathematics
- One of the following (per GEP)
  - STA 2014C: Principles of Statistics

I. Optional Arts & Sciences Elective (3 hrs)
- Select one:
  - ARH 2050: The History of Art I
  - MUL 2010: Enjoyment of Music

J. Summer Courses (9 hrs)
- LAE 4314: Teaching Language Arts in the Elementary School
- SSE 3312: Teaching Social Science in the Elementary School
- SCE 3310: Teaching Science in the Elementary School

K. Note: RED 4519, MAE 4326, and EEX 4003 are taken concurrently with EDE 3942

3. Recommended Sequence of Program Courses

NOTE: This recommended sequence may vary at selected regional campus locations.

**Semester I**
- EDG 4233: Professional Teaching Practices (15 hrs)
  - (required prior to Internship I)
- EDF 4214: Classroom Learning Principles
- LAE 3414: Children's Literature 3 hrs
- RED 3012: Foundations of Reading (required prior to Internship I)
- TSL 4080: Theory and Practice of Teaching ESOL

**Semester II (Internship Block)**
- RED 4519: Diagnostic &Corrective Reading Strategies
- MAE 4326: How Children Learn Math
- EEX 4003: Teaching/Management Tech Ex Ed Student
- EDE 3942: Internship I (12 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

**Summer**
- EDF 4603: Analysis of Critical Issues in Education
- MUE 3210: Teaching Music in the Elementary School
- HLP 4722: Theatre Survey

**Semester III**
- SCE 3310: Teaching Science in the Elementary School (15 hrs)
- SSE 3312: Teaching Social Science in the Elementary School
- LAE 4314: Teaching Language Arts in the Elementary School

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)
  - EDF 2005: Teaching Diverse Populations
  - EME 2040: Technology for Educators
- Spring (16 hrs)
  - EDG 2701: Teaching Diverse Populations
  - EME 2040: Technology for Educators

**Sophomore Year**
- Fall (15 hrs)
  - MAE 2801: Elementary School Mathematics
  - BSC 1005: Biological Principles
  - EDF 2005: Teaching Diverse Populations
- Spring (15 hrs)
  - MAE 2801: Elementary School Mathematics
  - EME 2040: Technology for Educators

**Junior Year**
- Fall (15 hrs)
  - EDE 3942: Internship I
  - PHI 2010: Enjoyment of Music
- Spring (12 hrs)
  - EDE 4943: Internship II
  - TSL 4141: Issues in Second Language Acquisition

**Senior Year**
- Fall (12 hrs)
  - See Section 3, Semester I above
- Spring (12 hrs)
  - See Section 3, Semester II, above

**Summer**
- See Section 3, Summer
UCEF Degree Programs

Senior Year
Fall (15 hrs) Spring (12 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
  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 (38 hrs)
   A. Communication Foundations
      1. ENC 1101, ENC 1102
   B. Cultural and Historical Foundations
      1. MAC 1105
      2. STA 2023
   C. Mathematical Foundations
      1. MAC 1105
      2. STA 2023
   D. Social Foundations
      6 hrs
   E. Science Foundations
      1. PHY 2053C
      2. BSC 1005L, BSC 1006L, or GEO 1200L

2. Common Program Prerequisites (CPP) (6/8 hrs)
   MAC 2233 or MAC 2331
   MAC 2244 or MAC 2341
   MAC 2311
   PHY 2053C or PHY 2048L

3. Engineering Technology Core Requirements (21 hrs)
   ANG 2111, BSC 1005, BSC 1050, GEO 1200,
   GEO 2370 or GYL 1030
   ENC 3241 Writing for the Technical Professional
   MAC 1105 College Algebra
   MAC 1114 College Trigonometry
   MAC 2233 or MAC 2311
   MAP 3401 Problem Analysis or
   MAC 2312 Calculus II
   PHY 2053C College Physics I
   ETI 3451 Applied Mechanics
   ETI 3651C Computer Applications
   ETI 3671 Technical Economic Analysis
   ETI 3116 Applied Engineering Quality Assurance
   ETI 4635 Technology Administration

4. Technical Specialization (60 hrs)
   Lower Level Required and Elective Courses (28 hrs)
   EST 3543C Programmable Logic Controllers
   CHM 1032, 1032L General Chemistry, Lab
   CET 2164 Systems Application in C
   EET 3085C Electricity and Electronics
   EGN 1111C Engr Computer Graphics
   STA 2023 Statistical Methods I
   Approved Lower Level Technical Electives

   Upper Level Required Courses (21 hrs)
   EST 4502C Metrology & Instrumentation
   ETD 3250C Applied CADD
   ETI 3533C Applied Engineering Strength of Materials
   ETI 3421 Materials & Processes
   ETM 4220 Applied Energy Systems
   ETI 4448 Applied Project Management

   Upper Level Technical Elective (Select 4) (12 hrs)
   ETC 4206 Construction Estimating
   ETC 4214C Construction Materials & Methods
   ETC 4242 Construction Contracts & Specs
   ETC 4243 Building Systems
   ETC 4414C Applied Structural Design I

5. Departmental Graduation Requirement (3 hrs)
   ETG 4950C Senior Design Project
   A grade of 2.0 or better is required in all prerequisites.

6. Foreign Language Requirements (0-8 hrs)
   Admision: 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 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 institu-
  tion 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
  UCF 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 Schedule for the Design 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-
neering 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 2253/2311 Calculus I 3/4 MAP 3401 Problem Analysis 3
ETI 3651C Computer Appl 3 ETM 4220 Energy Systems 4
ETI 3116 App Eng Qual Assur 3 ETI 4635 Tech Admin 3
PHY 2053C/2048 Physics I 4 ETM 3350C Appl CAD 3
Summer 10 hrs ETC/ETI Elective 3

144 UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog
ETM 4331C Appl Fluid Mech 4
ETI 4448 Applied Project Mgmt 3

Senior Year
Fall 15 hrs Spring 17 hrs
ETI 3421 Materials & Processes 3 EST 3543C Prog Log Controllers 3
EST 3543C Prog Log Controllers 3 ETG 4950C Sr Design Proj 3
ETG 3541 Appl Mechanics 3 ETC 4242 Contract & Spec 3
ETC 4241 Construction Meth 3 ETG 3533C Eng Strength of Mat 4
ENC 3241 Tech Report Writ 3 ETI 3671 Tech Econ Anal 3

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

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 (38 hrs)
   A. Communication Foundations
      ENC 1101, ENC 1102
      Prefer SPC 1016
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      MAC 1105
      STA 2023
   D. Social Foundations
      6 hrs
   E. Science Foundations
      PHY 2053C
      BSC 1005&L, BSC 1050&L, or GEO 1200&L

2. Common Program Prerequisites (CPP) (6/8 hrs)
   MAC 2523 or Calculus I 3/4 hrs
   MAC 2311
   MAC 2524 or Calculus II or equiv 3/4 hrs
   PHY 2053C or Physics I/ Lab
   PHY 2048L

3. Engineering Technology Core Requirements (21 hrs)
   ANT 2511, BSC 1005, BSC 1050, GEO 1200,
   GEO 2370, or GLY 1030
   ENC 3241
   Writing for the Technical Professional
   MAC 1105
   College Algebra
   MAC 1114
   College Trigonometry
   MAC 2523 or Calculus I
   MAC 2311
   MAP 3401
   Problem Analysis or
   MAC 2312
   Calculus II
   PHY 2053C
   College Physics I
   ETG 3541
   Applied Mechanics
   ETI 3651C
   Computer Applications
   ETI 3671
   Technical Economic Analysis
   ETI 3116
   Applied Engineering Quality Assurance
   ETI 4635
   Technology Administration

4. Technical Specialization (60 hrs)
   Lower Level Required and Elective Courses (28 hrs)
   EST 3543C Programmable Logic Controllers 3 hrs
   CHM 1032, 1032L General Chemistry, Lab 4 hrs
   CET 3236 Systems Application in C 3 hrs
   EET 2085C Electricity and Electronics 4 hrs
   EGN 1111P Engr Computer Graphics 2 hrs
   STA 2023
   Statistical Methods I
   GEP
   Approved Lower Level Technical Electives 11 hrs
   Upper Level Required Courses (16 hrs)
   ETI 4640
   Operations Management
   ETD 3350C
   Applied CADD
   ETI 3421
   Materials & Processes
   ETM 4220
   Applied Energy Systems
   ETI 4448
   Applied Project Management
   Upper Level Technical Electives (Select 5) (17 hrs)
   ETI 3690
   Technical Sales
   ETI 4186
   Applied Reliability
   ETI 4205
   Applied Logistics
   ETG 3533C
   Applied Engineering Strength of Materials
   ETI 4661C
   Applied Facilities Planning & Design
   ETI 4700
   Occupational Safety
   ETI 4502C
   Metrology & Instrumentation
   ETM 4331C
   Applied Fluid Mechanics
   ETI 3418C
   Computer Numerical Controls

5. Departmental Graduation Requirement (3 hrs)
   ETG 4950C Senior Design Project

6. Foreign Language Requirements (0-8 hrs)
   Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent 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 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 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 15/14 hrs Spring 13 hrs
MAC 2233/2311 Calculus I 3/4 hrs
PHY 2053C/2048 Physics I 4 hrs
ETI 3651C Comp Appl 3 hrs
ETI 4640 Operations Mgmt 3 hrs
ETI 4640 3 hrs
ETT 4205 3 hrs
ETT 4502C 4 hrs
ETI 4661C 3 hrs
ETI 4700 3 hrs
ETI 4502C 4 hrs
ETM 4331C 3 hrs
ETI 3418C 3 hrs

UCF Degree Programs

UCF Degree Programs
### UCF Degree Programs

#### Engineering Technology - Space Systems Concentration (B.S.E.T.)

- **College of Engineering and Computer Science**
- **Engineering Technology (ENT) Department**

**Florida Space Institute**

**Kennedy Space Center, FL 32899**

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

Coordinated by Dr. Nebil Misconi 407-823-4751 or 321-459-0199

**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** *(38 hrs)*
   - A. Communication Foundations (9 hrs)
     - ENC 1101, ENC 1102
   - B. Cultural and Historical Foundations (9 hrs)
     - STA 2053C or STA 2023
   - C. Mathematical Foundations (3 hrs)
     - MAC 2311
   - D. Social Foundations (6 hrs)
     - STA 2023
   - E. Science Foundations (4 hrs)
     - MAC 2311
     - PHY 2048

2. **Common Program Prerequisites (CPP)** *(6/8 hrs)*
   - MAC 2253 or MAC 2311
   - MAC 2254 or MAC 2312
   - PHY 2054C or PHY 2054C

3. **Engineering Technology Core Requirements** *(24 hrs)*
   - AST 2002: Astronomy (3 hrs)
   - ENC 3241: Writing for the Technical Professional (3 hrs)
   - MAC 1105: College Algebra (3 hrs)
   - MAC 1114: College Trigonometry (3 hrs)
   - MAC 2233 or MAC 2311: Calculus I (3 hrs)
   - MAC 2311: Calculus II (3 hrs)
   - MAC 2312: Precalculus (3 hrs)
   - PHYS 2053C: College Physics I (3 hrs)
   - ETG 3541: Applied Mechanics (3 hrs)
   - ETI 351C: Computer Applications (3 hrs)
   - ETI 3671: Technical Economic Analysis (3 hrs)
   - ETI 3616: Applied Engineering Quality Assurance (3 hrs)
   - ETI 4448: Project Management (3 hrs)

4. **Technical Specialization** *(57 hrs)*
   - Lower Level Required and Elective Courses *(24 hrs)*
     - EST 3543C: Prog Logic Controllers (3 hrs)
     - CMH 1032, 1032L: General Chemistry with Lab (4 hrs)
     - CET 2364: Systems Appl. 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 (8 hrs)
   - Upper Level Required and Elective Courses *(21 hrs)*
     - EST 4502C: Instrumentation (4 hrs)
     - ETI 3550C: Applied Engineering Strength of Materials (4 hrs)
     - ETI 4835: Rocket Propulsion Technology (3 hrs)

5. **Upper Level Technical Electives (Select 4)** *(12 hrs)*
   - ETI 4837C: Technology of Small Space Payloads (3 hrs)
   - ETI 4382: Launch Processing Technology (3 hrs)
   - ETI 4389: Space Electro-Optics Technology (3 hrs)
   - ETI 4150: Spacecraft QA and Testing (3 hrs)
   - ETI 4381: System Design (3 hrs)
   - EST 3222: Intro to Photonics (3 hrs)

6. **Departmental Graduation Requirement** *(3 hrs)*
   - ETG 4850C: Senior Design Project
   - A grade of 2.0 or better is required for 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 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 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 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 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 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**

<table>
<thead>
<tr>
<th>Fall</th>
<th>15/16 hrs</th>
<th>Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2253/2311: Calculus I</td>
<td>3/4</td>
<td>MAP 3401: Problem Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ETI 3540C: App Log Controls</td>
<td>3</td>
<td>ETI 4382: Launch Processing Technology</td>
<td>3</td>
</tr>
<tr>
<td>EST 3543C: Applied Mechanics</td>
<td>3</td>
<td>ETI 4389: Space Electro-Optics Technology</td>
<td>3</td>
</tr>
<tr>
<td>ETM 4220: Energy Systems</td>
<td>4</td>
<td>ETI 4150: Spacecraft QA and Testing</td>
<td>3</td>
</tr>
<tr>
<td>EST 3222: Intro to Photonics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Summer** *(8 hrs)*

<table>
<thead>
<tr>
<th>MAC 2253/2311: Calculus I</th>
<th>3/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 3401: Problem Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ETI 4382: Launch Processing Technology</td>
<td>3</td>
</tr>
<tr>
<td>ETI 4389: Space Electro-Optics Technology</td>
<td>3</td>
</tr>
<tr>
<td>ETI 4150: Spacecraft QA and Testing</td>
<td>3</td>
</tr>
<tr>
<td>EST 3222: Intro to Photonics</td>
<td>3</td>
</tr>
<tr>
<td>EST 4836: Space Systems Tech</td>
<td>3</td>
</tr>
</tbody>
</table>
ENGLISH - CREATIVE WRITING (B.A.)

College of Arts and Sciences
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

Honors in English Degree: Additional Requirements (9 hrs)

■ Application and admission through the English Honors Committee and the Honors College
■ Fulfill University requirements for Honors in the Major
■ Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
■ Successful completion and oral defense of honors thesis

1. UCF General Education Program (36 hrs)

A. Communication Foundations
   Select ENC 1101 and ENC 1102 6 hrs
   Select SPC 1600 Fund of Oral Com 3 hrs

B. Cultural and Historical Foundations
   Select one class from 1.B.1 list
   Select LIT 2110 World Literature I 3 hrs
   Select LIT 2120 World Literature II 3 hrs

C. Mathematical Foundations
   Select MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
   Prefer STA 1060C Statistics Using Excel 3 hrs

D. Social Foundations
   ENG 3014 Theory & Tech of Literary Study 6 hrs

E. Science Foundations 6 hrs

2. Common Program Prerequisites (3 hrs)

ENC 1101* Composition I
ENC 1102* Composition II

*See Transfer Notes for possible substitutes

3. Core Requirements (6 hrs)

CRW 3013 Creative Writing for English Majors 3 hrs
ENG 3014 Theory & Tech of Literary Study 3 hrs

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
   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

b. Select at least one of these post-1865 literature courses
   AML 3041 American Literature II
   AML 3283 Contemp American Women’s Fiction
   AML 3614 Topics in African American Literature
   AML 3615 Harlem, Haiti, and Havana
   AML 3640 Native American Literature
   AML 4101 American Novel
   AML 4153 American Poetry at Mid-Century
   AML 4155 Modern American Poetry
   AML 4261 Literature of the South
   AML 4265 Florida Writers
   AML 4321 Modern American Literature
   AML 4630 Latino/Latina Literature
   ENL 2022 English Literature II
   ENL 4101 English Novel
   ENL 4263 The Victorian Age: Poetry
   ENL 4265 Nineteenth Century British Prose
   ENL 4273 Modern British Literature
   LIT 3062 Continental European Fiction Since 1900
   LIT 3192 Caribbean Literature
   LIT 4043 Modern Drama as Literature
   LIT 4184 Irish Literature

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Restricted Electives (18 hrs)

a. Choose one of the following:
   LIN 3010 Intro to Linguistics
   LIN 4100 History of the English Language
   LIN 4643 Cross Cultural Communication
   LIN 4660 Linguistics and Literature
   LIN 4680 Modern English Grammar
   ENC 3211 Theory and Practice of Tech Writing
   ENC 3241 Writing for the Technical Professional
   ENC 3310 Magazine Writing I
   ENC 3311 Advanced Expository Writing
   ENG 3010 Practical Criticism
   LIT 4554 Advanced Feminist Theory

b. Choose two of the following:
   CRW 3120 Fiction Writing Workshop
   CRW 3211 Creative Nonfiction Writing
   CRW 3310 Poetry Writing Workshop

c. Choose two of the following:
   CRW 4122 Adv Fiction Writing Workshop
   CRW 4224 Adv Creative Nonfiction Writing
   CRW 4320 Adv Poetry Writing Workshop

d. Choose one of the following:
   CRW 3311 Structure of Verse
   CRW 3610 Writing Scripts
   CRW 3540 Literary Magazines
   CRW 4114 History of Prose Style or any 3000 or 4000 CRW course not used to fulfill another requirement

6. Departmental Exit Requirements

■ Maintain a minimum GPA of 2.0 in upper division required courses
■ Computer Competency met by completion of CRW 3013

7. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement

Graduation: Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives (variable)

Select at least one upper level course, 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

UCF Degree Programs
ENGLISH - LITERATURE (B.A.)

College of Arts and Sciences
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 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.

Honors in English Degree:

- 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 (9 hrs)

Suggested Plan of Study:

One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year

Fall
- ENC 1101 Composition I
- HUM 2213 req# 1B1-GEP
- MGF 1006 req# 1C1-GEP
- POS 2041 req# 1D1-GEP
- SPC 1000 req# 1A3-GEP

Spring
- CHM 1020 req# 1E1-GEP
- ENG 1002 Composition II
- LIT 2110 World Literature I
- STA 1060C Stat Using Excel
- SPN 1120 req# Lang/Elect

Sophomore Year

Fall
- BSC 1005 req# 1E2-GEP
- ITI 2210 World Lit II
- PSY 2012 req# 1D2-GEP
- Elective* Check restrictions
- SPN 1121 req# Lang/Elect

Spring
- CRW 3013 Creativ Writ Eng Maj
- ENL 2022 English Literature II
- Elective* Check restrictions
- SPN 2230 req# Lang/Elect

Junior Year

Fall
- ENG 3014 Theor Tech of St
- AML 3031 req# 4a-LitHis
- CRW 3211 req# 5b-ResEl
- Elective* Check restrictions
- Elective* Check restrictions

Spring
- CRW 3122 req# 4b-LitHis
- CRW 3242 req# 5c-ResEl
- Elective* Check restrictions
- Elective* Check restrictions
- SPN 2230 req# Lang/Elect

Senior Year

Fall
- LIN 4010 req# 5a-ResEl
- CRW 4122 req# 5c-ResEl
- Elective* Check restrictions
- Elective* Check restrictions
- Elective* Check restrictions

Spring
- CRW 3122 req# 4b-LitHis
- CRW 3610 req# 5d-ResEl
- Elective* Check restrictions
- Elective* Check restrictions
- Elective* Check restrictions

5. Upper Division Requirements (15 hrs)

a. Choose one single author or major author course

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

5. Upper Division Requirements (15 hrs)

a. Choose one single author or major author course

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Related Programs:

- Technical Writing
- Literature

Related Minors:

- Creative Writing
- Linguistics
- Technical 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 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.

1. UCF General Education Program (36 hrs)

A. Communication Foundations
- Select ENC 1101 and ENC 1102
- Select SPC 1600 Fund of Oral Com
- Select ENL 2022 English Literature II
- Select ENL 2022 English Literature II

B. Cultural and Historical Foundations
- Select one class from 1B.1 list
- Select LIT 2110 World Literature I
- Select LIT 2120 World Literature II

C. Mathematical Foundations
- Select MGF 1101 Finite Mathematics

D. Social Foundations

E. Science Foundations

2. Common Program Prerequisites

ENC 1101* Composition I
ENC 1102* Composition II

*See Transfer Notes for possible substitutes

3. Core- Gateway Courses (6 hrs)

a. Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses
- Select ENL 2012 English Literature I
- Select ENL 2022 English Literature II

b. Choose one gateway course:
- CRW 3013 Creative Writing for English Majors
- ENC 3211 Theory & Practice of Tech Writing

4. Literary History Requirement (15 hrs)

Choose five courses from the following:

- A. Select at least two of these pre-1865 literature courses.
- Select AML 3031 American Literature II
- Select AML 3613 Narratives of Slavery
- Select ENL 2012 English Literature I
- Select ENL 4220 English Renaissance Poetry and Prose
- Select ENL 4230 Eighteenth Century Studies
- Select ENL 4240 English Romantic Writers
- Select LIT 4374 Literature of the Bible

b. Select at least two of these post 1865 literature courses
- Select AML 3041 American Literature II
- Select AML 3828 Contemp American Women's Fiction
- Select AML 3814 Topics in African American Literature
- Select AML 3615 Harlem, Haiti, and Havana
- Select AML 3640 Native American Literature
- Select AML 4101 American Novel
- Select AML 4153 American Poetry at Mid-Century
- Select AML 4155 Modern American Poetry
- Select AML 4261 Literature of the South
- Select AML 4265 Florida Writers
- Select AML 4271 Modern American Literature
- Select AML 4630 Latinx/a Literature
- Select ENL 2022 English Literature II
- Select ENL 4101 English Novel
- Select ENL 4253 The Victorian Age: Poetry
- Select ENL 4262 Nineteenth Century British Prose
- Select ENL 4273 Modern British Literature
- Select LIT 3082 Continental European Fiction Since 1900
- Select LIT 3192 Caribbean Literature
- Select LIT 4043 Modern Drama as Literature
- Select LIT 4184 Irish Literature
- Select LIT 4303 Post-World War II Fiction

5. Upper Division Requirements (15 hrs)

a. Choose one single author or major author course

Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.
6. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses.
- Computer Competency met by completion of ENG 3014.

7. Foreign Language Requirements (0-8 hrs)

**Admission:** Met by graduation requirement

**Graduation:** Proficiency equivalent to one semester of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives (variable)

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in 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:** Creative Writing, Technical Writing

**Related Minors:** Creative Writing, Linguistics, Literature, 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**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>CHM 1020*</td>
</tr>
<tr>
<td>HUM 2111*</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>MGF 1101*</td>
<td>LIT 2110</td>
</tr>
<tr>
<td>POS 2041*</td>
<td>STA 1060C Stat Using Excel</td>
</tr>
<tr>
<td>SPC 1600*</td>
<td>SPSN 1120*</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005* req# 1E2-GEP</td>
<td>ENG 3014 Theor Tech of St</td>
</tr>
<tr>
<td>LIT 2110 World Lit II</td>
<td>AML 3031* req# 4a-Hist</td>
</tr>
<tr>
<td>PSY 2012* req# 1D2-GEP</td>
<td>AML 3041* req# 4b-Hist</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>SPSN 1121* req# Lang/Elect</td>
<td>SPSN 2230* req# Lang/Elect</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRW 3013* req# 3-Core</td>
<td>ENL 2012* req# 4a-Hist</td>
</tr>
<tr>
<td>ENL 2022* req# 4b-Hist</td>
<td>AML 3041* req# 4b-Hist</td>
</tr>
<tr>
<td>LIN 4100* req# 5b-UD</td>
<td>AML 3041* req# 5a-UD</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 4101* req# 5c-UD</td>
<td>LIT 3383* req# 5c-UD</td>
</tr>
<tr>
<td>ENL 4523* req# 5c-UD</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>Elective* Check restrictions</td>
</tr>
</tbody>
</table>

**ENGLISH - TECHNICAL WRITING (B.A.)**

**College of Arts and Sciences**

**English Department, CNH 301**

[http://english.ucf.edu](http://english.ucf.edu)

**E-mail:** english@ucf.edu

**T. Krise, 407-823-2212**

**Admission Requirements**

- **Degree Requirements**
  - Students who change degree programs and select this major must adopt the most current catalog.
  - Students must earn at least a “C” (2.0) in each required course
  - 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**

- 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
  - 3 hrs
  - Select SPC 1600 Fund of Oral Com

- **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**

- ENC 1101* Composition I
- ENC 1102* Composition II

*See Transfer Notes for possible substitutes

**3. Core courses-Basic**

(15 hrs)

- ENC 3211 Theory & Practice of TechWriting
- 3 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose three of the following:**
  - 9 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose one of the following:**
  - 3 hrs

- **Choose one of the following:**
  - 3 hrs
UNIVERSITY OF CENTRAL FLORIDA

ENGLISH LANGUAGE ARTS EDUCATION (B.S.)

College of Education
Department of Teaching and Learning Principles
ED 209; http://pegasus.cc.ucf.edu/~englae
Program Coordinator: Dr. Denise Ousley
ED 122-L, 407-823-1142
E-mail: dousley@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

1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
      ENC 1101 Composition I 3 hrs
      ENC 1102 Composition II 3 hrs
      SPC 1100 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundations (9 hrs)
      AMH 2010 U.S. History 1492-1877 3 hrs
      AMH 2020 U.S. History 1877-Present 3 hrs
      PHI 2010 Introduction to Philosophy 3 hrs
   C. Mathematical Foundations (6 hrs)
      MGF 1106 Finite Mathematics 3 hrs
      STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
   D. Social Foundations (6 hrs)
      POS 2041 American National Government 3 hrs
      PSY 2012 General Psychology 3 hrs
   E. Science Foundations (6 hrs)
      PSC 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
      SPC 1100 Fundamentals of Oral Communication GEP
   B. Humanities (6 hrs)
      PHI 2010 Introduction to Philosophy GEP
      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
   C. Mathematics (9 hrs)
      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 STA 2014C 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)
         ANT 2511 The Human Species or BSC 1005 Biological Principles
         Select one:
            AST 2002 Astronomy or GEO 1200 Physical Geography or GVL 1930 Geology and its Applications
            BSC 1005L Biological Principles Laboratory or

Total Semester Hours Required: 120 hours

Related Programs: English, Journalism, Religious Studies
Related Minors: English, Journalism, 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.

Acceptable Substitutes for common program prerequisites to the BA in Technical 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. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.
### 1. UCF General Education Program

- **University Year 1 (Fall 15 hrs)**
  - ENG 1040
  - LAE 1105
  - LAE 1106

- **University Year 1 (Spring 15 hrs)**
  - ENG 1041
  - LAE 2410
  - LAE 2411

- **University Year 2 (Fall 12 hrs)**
  - ENG 2012
  - LAE 2100
  - LAE 2101

- **University Year 2 (Spring 16 hrs)**
  - ENG 2022
  - LAE 2412
  - LAE 2413

### 2. Specialization Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL 2012</td>
<td>English Literature I to 1798</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 2022</td>
<td>English Literature II to 1950</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3011</td>
<td>American Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3012</td>
<td>American Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CRW 3013</td>
<td>Intro Creative Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3311</td>
<td>Advanced Expository Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4680</td>
<td>Modern English Grammar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENG 3014</td>
<td>Theories of Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESE 3940</td>
<td>English Language</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESE 4943</td>
<td>English Language</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### 3. Program Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAE 4464</td>
<td>Adolescent Lit</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4361</td>
<td>Literacy Strategies for Mid/High Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4360</td>
<td>Eng Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>LAE 4342</td>
<td>Teaching Lang/Comp</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4141</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Education Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4323</td>
<td>Professional Teaching Practices</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis of Critical Issues in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4241</td>
<td>Classroom Learning Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STL 4141</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Program Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESE 3940</td>
<td>English Language</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESE 4943</td>
<td>English Language</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### 6. Internship (ESE 3940)

- **Junior Year Fall (15 hrs)**
  - CRW 3013
  - EDF 4603
  - EDF 4214
  - ENG 3014
  - LIN 4680

- **Junior Year Spring (15 hrs)**
  - CRW 3013
  - EDF 4603
  - EDF 4214
  - ENG 3014
  - LIN 4680

### 7. Internship II (ESE 4943)

- **Senior Year Fall (13 hrs)**
  - ESE 3940
  - ESE 4943

- **Senior Year Spring (12 hrs)**
  - ESE 3940
  - ESE 4943

### Recommended Four-Year Sequence of Courses

#### Freshman Year

**Fall (12 hrs)**
- ESE 2943
- ESE 3943

**Spring (16 hrs)**
- ESE 2943
- ESE 3943

#### Sophomore Year

**Fall (15 hrs)**
- ESE 2943
- ESE 3943

**Spring (15 hrs)**
- ESE 2943
- ESE 3943

#### Junior Year

**Fall (12 hrs)**
- ESE 3943
- ESE 4943

**Spring (16 hrs)**
- ESE 3943
- ESE 4943

#### Senior Year

**Fall (13 hrs)**
- ESE 3943
- ESE 4943

**Spring (12 hrs)**
- ESE 3943
- ESE 4943

### UCF Degree Programs

**Environmental Engineering (B.S.Env.E.)**

College of Engineering and Computer Science

Civil & Environmental Engineering Department (CEE),
ENG2 211, 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
Associate Chair: Amr A. Oloufa, 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 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**
   - **(38 hrs)**

2. **Environmental Engineering (B.S.Env.E.)**
   - **(128 hrs)**

3. **Other Program Prerequisites**
   - **(6 hrs)**

4. **Specialization Requirements**
   - **(24 hrs)**

5. **Education Core Requirements**
   - **(15 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**
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residence at UCF
    - 25% of course work must be completed in residency at UCF
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

11. **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.

12. **Recommended Four-Year Sequence of Courses**
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. Take ENC 1101
2. Take ENC 1102
3. Take SPE 1016

B. Cultural and Historical Foundations 7 hrs
1. Take MAC 2311, Calculus with Analytic Geometry I, (4 hrs).
Note: College algebra and trigonometry are prerequisites for Calculus I. See the course descriptions.
2. Take STA 2023
3. Take STA 2023

C. Mathematical Foundations 7 hrs
1. Take MAC 2311, Calculus with Analytic Geometry I, (4 hrs).
Note: Calculus II is the prerequisite for this course.

D. Social Foundations 6 hrs
1. Take ECO 2013 or ECO 2023.

E. Science Foundations 7 hrs
1. Take PHY 2048/48L.
2. Take one from Earth Science (GLY 1030 or GEO 1200 or GEO 2370) or Biological Science (BSC 1005 or BSC 1050).

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 GEP
PHY 2049/49L Physics for Engineers & Scientists II 4 hrs
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP

Humanities Courses
Social Science Courses

3. Courses Required for the Major 60 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 not satisfy major requirements and normally are awarded grades of I, S, or U.

EGN 1006C Intro to the Engineering Profession 1 hr
EGN 1070C Engineering Concepts & Methods 1 hr
CHM 2045/46L Chemistry Fundamentals I w/ Lab 4 hrs

Earth Science GEP

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 3343 Engineering Economic Analysis 2 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 3024 Probability & Statistics for Engineers GEP
CWR 2011 Engineering Fluid Mechanics 3 hrs
CWR 4101C Hydrology 3 hrs
CWR 4203C Hydraulics 3 hrs
EES 4111C 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 4611 Environmental Engineering Process Design 4 hrs
ENV 4563 Environmental Control Systems 3 hrs

Note: Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.

4. Approved Technical Electives 5 hrs
Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

5. Departmental Graduation Requirements 6 hrs
- Approved EnvE Design Course I 3 hrs
- Approved EnvE Design Course II 3 hrs
- Earn a minimum graduating GPA of 2.250 in the Major Courses from Item 3. above, the technical electives from Item 4. above, and the Approved EnvE Design Courses.
- EnvE students must take the Fundamentals Exam during their Senior year.

6. Foreign Language Requirements 0-8 hrs
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

7. University Minimum Graduation Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 48 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

Total Semester Hours Required: 128 hrs
Related Programs: Chemistry, Civil Engineering.
Related Minors: Chemistry, Environmental Studies, Mathematics.
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.

Environmental Engineering - 128 semester hours required

FALL 14 hrs
*ENC 1101 English Comp I 3
*ENC 1102 English Comp II 3

SPRING 15 hrs
*MAC 2311 Calc w/Analy Geo I 4
*MAC 2312 Calc w/Analy Geo II 4
*ECC 1100G Engr Intro to Engr 1

SECOND YEAR
Fall 16 hrs
*MAC 2311 Calc w/Analy Geo III 4
*MAC 2311 Calc w/Analy Geo IV 3
*MAC 2312 Calc w/Analy Geo II 4
*PHY 2048/L Phys Engr I w/lab 4
*MAC 2312 Calc w/Analy Geo IV 3

Spring 17 hrs
*MAC 2045C Chemistry Fund I 4
*MAC 2045C Chemical Fund II 4
*MAC 2045C CHEM Fund III 4
*MAC 2045C CHEM Fund IV 4
*MAC 2045C CHEM Fund V 4
*MAC 2045C CHEM Fund VI 4

THIRD YEAR
Fall 15 hrs
*MAC 3310 Engr Anal-Statics 3
*MAC 3310 Engr Anal-Statics 3
*MAC 3310 Engr Anal-Statics 3
*MAC 3310 Engr Anal-Statics 3

Spring 15 hrs
*MAC 3310 Engr Anal-Statics 3
*MAC 3310 Engr Anal-Statics 3
*MAC 3310 Engr Anal-Statics 3
*MAC 3310 Engr Anal-Statics 3

152 UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog
A. Communications (9 hrs)

B. Cultural-Historical Foundations* (9 hrs)

C. Mathematical Foundations* (6 hrs)

D. Social Foundations (6 hrs)

E. Science Foundations (6 hrs)

F. Education Common Program Prerequisites (9 hrs)

G. Diversity Courses

H. Other Program Prerequisites (6 hrs)

1. UCF General Education Program (36 hrs)

2. Common Program Prerequisites (25 hrs)

3. Exceptional Education (7 hrs)

4. Education Core Requirements: (9 hrs)

5. Specialization Core Requirements (33 hrs)

6. Specialization (5 hrs)

7. Internship I Prerequisites

8. Internship I

9. Internship II

10. Internship II Prerequisites

11. Internship II Requirements

12. Exceptional Student Education (B.S.)

13. Environmental Studies Track

14. Exceptional Degree Programs

15. UCF Degree Programs

16. Notes:
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.
- 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 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

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall</th>
<th>(12 hrs)</th>
<th>Spring</th>
<th>(16 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>3 hrs</td>
<td>EDG 2701</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
<td>ENC 1102</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
<td>MAC 1105</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
<td>PHI 2010</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Summer</td>
<td>(6 hrs)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EME 2040</td>
<td>3 hrs</td>
<td>POS 2041</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Fall</th>
<th>(15 hrs)</th>
<th>Spring</th>
<th>(16 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>3 hrs</td>
<td>AMH 2020</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>BSC 1005</td>
<td>3 hrs</td>
<td>AST 2002</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPC 1000</td>
<td>3 hrs</td>
<td>EEX 2010</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 2014C</td>
<td>3 hrs</td>
<td>MAE 2801</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>Select one Arts &amp; Sciences elective course</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one of the following Fine Arts courses:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARH 2050; ARH 2051; MUL 2010; THE 2000; FIL 2400</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Summer        | (6 hrs) |          |        |          |
| TSL 4080      | 3 hrs  |          |        |          |
| Select one Arts & Sciences elective course | 3 hrs |

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Fall</th>
<th>(12 hrs)</th>
<th>Spring</th>
<th>(14 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4323*</td>
<td>3 hrs</td>
<td>EEX 3243</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EDF 4214**</td>
<td>3 hrs</td>
<td>RED 4043</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEX 3241*</td>
<td>3 hrs</td>
<td>EEX 4054</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>RED 3012*</td>
<td>3 hr</td>
<td>LAE 4314</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TSL 4141</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

| Summer       | (6 hrs) |          |        |          |
| EDF 4603     | 3 hrs  |          |        |          |
| EEX 4066     | 3 hrs  |          |        |          |

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Fall</th>
<th>(12 hrs)</th>
<th>Spring</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 3840</td>
<td>3 hrs</td>
<td>EEX 4941</td>
<td>9 hrs</td>
<td></td>
</tr>
<tr>
<td>EEX 4601++</td>
<td>3 hrs</td>
<td>EEX 4753+</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEX 3921++</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RED 4519</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

+ Must be taken with Internship II
++ Must be taken with Internship I
* Must be completed before enrolling in Internship I
** Recommended for completion before Internship I

---

**FILM - B.F.A.**

**College of Arts and Sciences**

**School of Film and Digital Media**

**Film Division, COM 121, 407-823-3456**


E-mail: film@mail.ucf.edu

Division Head: S. Schlow, 407-823-0694

**Limited Access Program Admission Requirements**

- The Film major is a limited access program.
- Entrance into most Film Classes is restricted to Majors. Exceptions must be approved by Division Head.
- Applications to become a Film major are required by December 31 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film major.
- Contact the Film Division for details.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of "B" (3.0) or better in Film major courses.
- Continuation in the Film Program requires a positive annual evaluation.
- A maximum of three credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Division.
- Due to the conservative nature, the BFA demands a closely integrated curriculum. Therefore, transfers are not generally encouraged to pursue a BFA program. However, exceptionally talented students who have completed the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System may be admitted.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (36 hrs)

A. Communication Foundations
   - 9 hrs

B. Cultural and Historical Foundations
   - Select one class from 1.B.1 list
   - 3 hrs

C. Mathematical Foundations
   - Select one class from either 1.B.1 or 1.B.2
   - 3 hrs

D. Social Foundations
   - 6 hrs

E. Science Foundations
   - 6 hrs

### 2. Common Program Prerequisites (3 hrs)

- FIL 2400*
- History of the Motion Pictures
- FIL 1007* Foundations of Story
- GEP
- 3 hrs
- 3 hrs

### 3. Lower Level Core Requirements (18 hrs)

- FIL 2107 Script Analysis
- FIL 1008 Cinematic Expression/Aesthetic
- FIL 2274C Editing I
- FIL 2220 Directing I
- FIL 2260 Cinematography I
- FIL 2221 Acting for Film I
- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs
- 3 hrs

### 4. Upper Level Core Requirements (36 hrs)

- FIL 3922 Film Colloquium
- 6 hrs

---

[154 UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog](#)
5. Upper Level Restricted Electives (15 hrs)
Select five 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 3625 Interactive Entertainment
  - FIL 3623 Cinematography II
  - FIL 3624 Sound Design III
  - FIL 3625 Editing II
  - FIL 3300C Film Documentaries
  - FIL 4228 Directing III

- **Screen Writing**
  - FIL 4103 Adaptation
  - FIL 4112C Feature/TV Writing II
  - FIL 4113C Interactive Writing I
  - FIL 4114C Interactive Writing II
  - FIL 4508C Genre Writing

- **Cinema Studies**
  - FIL 3520 Italian Film
  - FIL 3521 French Film
  - FIL 3522 German Film
  - FIL 3551 American Cinema
  - FIL 3412 Black Cinema
  - FIL 3309 Women in Film
  - FIL 3504C Film Theory and Criticism II

- **Digital Cinema**
  - ART 2820 Art as Interface
  - ART 3613C Post-Production Design
  - DIG 3135C Digital Imagery
  - IDS 3701C Internet Software Design
  - DIG 4780 Modeling for Realtime Graphics
  - MUC 3311 MIDI Sequencing I
  - COP 3502C Computer Science I
  - ENC 4415 Digital Rhetoric & Modern Dialectic

6. Capstone Courses (6 hrs)
- FIL 4210C 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 Foreign Languages and Literatures. 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**: Animation, Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre, Radio/TV, World Cinema

**Related Minors**: Art, Cinema Studies, Creative Writing, Digital Media, Music, Theatre

**Transfer Notes**:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable substitutes** for Common Program Prerequisites
- FIL 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 major courses and must be taken.

**FILM - CINEMA STUDIES TRACK (B.A.)**
College of Arts and Sciences
School of Film and Digital Media
Film Division, COM 121, 407-823-3456
http://www.film.ucf.edu
E-mail: film@mail.ucf.edu
Division Head: S. Schlow, 407-823-0694

**Admission Requirements** None

**Degree Requirements**:
- Students who change degree programs and select this major must adopt the most current catalog.
  - Students are required to maintain an overall average of “B” (3.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Students must consult with a departmental advisor each semester.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Division.
- 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 one course from 1.B.1 list 3 hrs
   - Select FIL2400 History of Motion Pictures 3 hrs
   - Select one course from 1.B.1 or 1.B.2 list 3 hrs
   - Mathematical Foundations: Select MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
   - Prefer CGS 1060C Intro to Computer Science or STA 1060C Statistics Using Excel 3 hrs
   - Social Foundations: 6 hrs
   - Science Foundations: 6 hrs

2. **Common Program Prerequisites** (3 hrs)
   - FIL 2400* History of the Motion Pictures GE
   - FIL 1007* Foundations of Story 3 hrs
   - *see Transfer Notes for possible substitutes

3. **Core Requirements** (42 hrs)
   - Select one course 3 hrs
     - FIL 3124 Short Script I
     - FIL 3107 Script Analysis
     - FIL 2224C Foundations of Production 3 hrs
     - FIL 3006 Art of the Cinema 3 hrs
     - FIL 3252C Cinematic Expression/Aesthetics 3 hrs
     - FIL 3300C Film Documentary 3 hrs
     - FIL 3401 Film History I 3 hrs

UCF Degree Programs
4. Restricted Upper Division Electives (12 hrs)

Select from the following upper level FIL courses:

- FIL 3299 Cinema Director
- FIL 3300 Women in Film
- FIL 3410 History of Animated Films
- FIL 3412 Black Cinema
- FIL 3520 Italian Film
- FIL 3521 French Film
- FIL 3522 German Film
- FIL 3542 Film Criticism (writing)
- DIG 3855 Converging Media
- FIL 3825 Interactive Entertainment
- FIL 3814 International Cinema
- FIL 4906 Independent Study
- FIL 5609 Film and Internet Business

(a maximum of 6 hours Independent Study may be used)

5. Required Minor (18 hrs min)

(a maximum of 6 hours Independent Study may be used)

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 (0-8 hrs)

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

8. Electives (variable)

Select primarily from upper division courses, with departmental advisor's approval. May be outside of the department.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hrs

FIL 3402 Film History II 3 hrs
FIL 3418 Avant-Garde Cinema 3 hrs
FIL 3503C Film Theory and Criticism I 3 hrs
FIL 3504C Film Theory and Criticism II 3 hrs
FIL 3510 World Cinema Traditions 3 hrs
FIL 3551 American Cinema 3 hrs
FIL 4604 The Film Producer 3 hrs

FILM- WORLD CINEMA TRACK (B.A.)

College of Arts and Sciences
School of Film and Digital Media
Film Division, COM 121, 407-823-3456
http://www.film.ucf.edu

E-mail: film@mail.ucf.edu
Division Head: S. Schlow, 407-823-0694

Limited Access Program
Admission Requirements
- The Film - World Cinemas track is a limited access program.
- Achieve an overall minimum 2.5 GPA before applying.
- Students should apply to become Film majors only after completing all requirements for admission to the University.
- A portfolio and an interview are required for entry into the Film World Cinemas track.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in courses within the major.
- A maximum of three credit hours on internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students should consult with a departmental advisor.
- Departmental residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)

A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations
- Select one course from 1.B.1 list 3 hrs
- Select FIL 2400 History of Motion Pictures 3 hrs
- Select one course from 1.B.1 or 1.B.2 list 3 hrs
C. Mathematical Foundations
- Select MGF 1106 Finite Mathematics 3 hrs
- Select STA 1060C Statistics Using Excel 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Requirements (3 hrs)

FIL 2400* History of Motion Pictures GEP
FIL 2107* Script Analysis 3 hrs

*See transfer notes for possible substitutions

3. Core Requirements (54 hrs)

FIL 1007 Foundations of Story 3 hrs
FIL 1009 Cinematic Expression for Majors 3 hrs
FIL 2107 Script Analysis CPP
FIL 2200 Cinematography I 3 hrs
FIL 2220 Directing I 3 hrs
FIL 2274C Editing I 3 hrs
FIL 3201C Introduction to Film Production 3 hrs
FIL 3227 Sound Design I 3 hrs
FIL 3300C Film Documentary 3 hrs
FIL 3304C Documentary Vision 3 hrs
FIL 3307 Docuscrama 3 hrs
FIL 3401 Film History I 3 hrs
FIL 353C Film Theory and Criticism I 3 hrs
FIL 3504C Film Theory and Criticism II 3 hrs
FIL 3510 World Cinema Traditions 3 hrs
FIL 4301C Documentary Workshop I 3 hrs
FIL 4302C Documentary Workshop II 3 hrs
FIL 4602 Film Business 3 hrs
FIL 4607 Film Production Management 3 hrs

5. Upper Level Restricted Electives (6 hrs)

Select two of the following:

FIL 3513 Latin American Cinema
FIL 4554 African Cinema
FIL 4574 Images & Text in Context
FIL 1007 may use any introductory Film writing course. However, FIL 2400 may substitute FIL 1001, but FIL 2400 is a prerequisite.

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 major courses and must be taken.

FINANCE (B.S.B.A.)
College of Business Administration
BA2 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: Required: SPC 1600 9 hrs
   - B. Cultural and Historical Foundations: 9 hrs
   - C. Mathematical Foundations: Select MAC 1105 College Algebra 3 hrs, Select CGS 2100C Comp Fundamentals for Bus 3 hrs
   - D. Social Foundations

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 Principles of Macroeconomics
   - ECO 2023 Principles of Microeconomics
   - ECO 3401 Quantitative Business Tools I
   - CGS 2100C Computer Fundamentals for Business
   - At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.

3. Required for All Business Majors (30 hrs)
   - Common Body of Knowledge
   - First Semester in the College of Business Administration:
     - GEB 3031 Cornerstone
     - GEB 3356 Introduction to International Business
   - First or subsequent semesters depending on major:
     - BUL 3130 Legal & 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
   - Last Semester:
     - MAN 4720 Strategic Management

4. Special College and/or Department Requirements
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
   - Students wanting to major in finance must apply for admission to the major.
   - Final exams will be given during exam week.
   - Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - A maximum of 6 hours of required or elective coursework 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 3513 Management of Financial Institutions 3 hrs
     - FIN 4324 Commercial Bank Management 3 hrs
     - FIN 4514 Portfolio Analysis and Management 3 hrs
     - FIN 4521C Applied Portfolio Management I 4 hrs
     - FIN 4522C 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
     - FIN 4313 Management of Financial Institutions 3 hrs
     - FIN 4324 Commercial Bank Management 3 hrs
     - FIN 4424 Adv Topics in Financial Management 3 hrs
     - FIN 4514 Portfolio Analysis and Management 3 hrs
     - FIN 4533 Financial Derivatives 3 hrs
     - FIN 4604 International Financial Management 3 hrs
     - FIN 4730 Senior Financial Consulting I 3 hrs
     - FIN 4731 Senior Financial Consulting II 3 hrs
     - FIN 4906 Independent Study 3 hrs

UCF Degree Programs

157
United States, Florida, Orlando

UCF Degree Programs

**FIN 4941** Internship 3 hrs
**MAR 3391** Professional Selling 3 hrs
**REE 3043** Fundamentals of Real Estate 3 hrs
**REE 3433** Real Estate Law 3 hrs
**REE 4103** Real Estate Appraisal 3 hrs
**REE 4204** Real Estate Finance 3 hrs
**REE 4303** Real Estate Investment Analysis 3 hrs
**REE 4732** Real Estate Development 3 hrs
**RMI 3011** Principles of Risk and Insurance 3 hrs
**TAX 4001** Federal Income Tax I 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 resident credit 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

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.
- 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**

<table>
<thead>
<tr>
<th>1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101*</td>
<td>3</td>
<td>ENC 1102*</td>
<td>3</td>
</tr>
<tr>
<td>Cul-Hist I*</td>
<td>3</td>
<td>Cul-Hist II*</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3</td>
<td>Art/Music/Lit</td>
<td>3</td>
</tr>
<tr>
<td><strong>E elective</strong></td>
<td>3</td>
<td>MAC 1105*</td>
<td>3</td>
</tr>
<tr>
<td><strong>E elective</strong></td>
<td>3</td>
<td>COS 2100C*</td>
<td>3</td>
</tr>
<tr>
<td>Must complete nine hours in a summer semester</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore**

<table>
<thead>
<tr>
<th>1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2023*</td>
<td>3</td>
<td>ECO 2013*</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2071*</td>
<td>3</td>
<td>ACG 2021*</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
<td>Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**Junior**

<table>
<thead>
<tr>
<th>1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>E elective</strong></td>
<td>3</td>
<td>ACG 3401*</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>3</td>
<td>MAN 2023</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>3</td>
<td>ECO 3411</td>
<td>3</td>
</tr>
<tr>
<td><strong>GEB 3303</strong></td>
<td>6</td>
<td>FIN 3403</td>
<td>3</td>
</tr>
<tr>
<td><strong>GE 3356</strong></td>
<td>3</td>
<td><strong>E elective</strong></td>
<td>3</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>3</td>
<td><strong>E elective</strong></td>
<td>3</td>
</tr>
<tr>
<td>FIN Elective</td>
<td>3</td>
<td>FIN 4453</td>
<td>3</td>
</tr>
<tr>
<td>FIN Elective</td>
<td>3</td>
<td>FIN Elective</td>
<td>3</td>
</tr>
<tr>
<td>FIN Elective</td>
<td>3</td>
<td>FIN Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior**

<table>
<thead>
<tr>
<th>1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3504</td>
<td>3</td>
<td>MAN 4720</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>3</td>
<td><strong>E elective</strong></td>
<td>3</td>
</tr>
<tr>
<td>FIN Elective</td>
<td>3</td>
<td>FIN Elective</td>
<td>3</td>
</tr>
<tr>
<td>FIN Elective</td>
<td>3</td>
<td>FIN Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>E elective</strong></td>
<td>3</td>
<td><strong>E elective</strong></td>
<td>3</td>
</tr>
</tbody>
</table>

**FOREIGN LANGUAGE EDUCATION- FRENCH (B.S.)**

College of Education

**Department of Teaching and Learning Principles, ED209**

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

*Program Coordinator: Dr. Karen Verkler*

ED 220-C, 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

### 1. UCF General Education Program (36 hrs)

**A. Communication Foundations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B. Cultural-Historical Foundations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**C. Mathematical Foundations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one:</td>
<td></td>
</tr>
<tr>
<td>STA 1060C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**D. Social Foundations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**E. Science Foundations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one:</td>
<td></td>
</tr>
<tr>
<td>ANT 2511</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Note:** See laboratory component under Section 2.

### 2. Common Program Prerequisites (25 hrs)

**A. Communications**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B. Humanities**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select one:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**C. Mathematics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Note:** See laboratory component under Section 2.
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 lan-
guage 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 port-
folio 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 res-
didency 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

## Freshman Year
- **Fall** (12 hrs)
  - EDF 2005 3 hrs
  - ENC 1101 3 hrs
  - EMF 1101 3 hrs
- **Spring** (16 hrs)
  - EDG 2701 3 hrs
  - EDF 4214 3 hrs
  - AST 2002 3 hrs
  - PSC 1121 3 hrs
  - RED 4314 3 hrs
  - RED 4333 3 hrs

## Sophomore Year
- **Fall** (15 hrs)
  - EDG 2701 3 hrs
  - EDF 4214 3 hrs
  - AST 2002 3 hrs
- **Spring** (12 hrs)
  - PSC 1121 3 hrs
  - PSC 1121L 1 hr
  - TSL 4080 3 hrs
  - ARH 2050 3 hrs

## Junior Year
- **Fall** (15 hrs)
  - EDG 2701 3 hrs
  - EDF 4214 3 hrs
  - AST 2002 3 hrs
- **Spring** (12 hrs)
  - STA 2014C 3 hrs
  - MUL 2010 3 hrs

## Senior Year
- **Fall** (12 hrs)
  - EDG 2701 3 hrs
  - ESE 4943 3 hrs
  - ESE 4935 3 hrs
  - TSL 4080 3 hrs
- **Spring** (12 hrs)
  - ESE 4943 3 hrs
  - ESE 4935 3 hrs

## Note
- Complete a portfolio according to program guidelines. This port-
folio requires demonstration of professional growth, reflection,
and proficiency in the 12 Florida Educator Accomplished
Practices.
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This port-
folio requires demonstration of professional growth, reflection,
and proficiency in the 12 Florida Educator Accomplished
Practices.
FOREIGN LANGUAGE EDUCATION- SPANISH (B.S.)

College of Education
Department of Teaching and Learning Principles
ED 209
http://www.edcollege.ucf.edu/
Program Coordinator: Dr. Karen Verkler
ED 220-C, 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

1. UCF General Education Program (36 hrs)

A. Communication Foundations (9 hrs)
  ENC 1101 Composition I  3 hrs
  ENC 1102 Composition II  3 hrs
  SPC 1600 Fundamentals of Oral Communication  3 hrs

B. Cultural-Historical Foundations (9 hrs)
  AMH 2010 U.S. History 1492-1877  3 hrs
  AMH 2020 U.S. History 1877-Present  3 hrs
  PHI 2010 Introduction to Philosophy  3 hrs

C. Mathematical Foundations (6 hrs)
  MGF 1106 Finite Mathematics  3 hrs
  Select one:  3 hrs
  STA 1060C Basic Statistics using MS Excel or
  STA 2014C Principles of Statistics

D. Social Foundations (6 hrs)
  POS 2041 American National Government  3 hrs
  PSY 2012 General Psychology  3 hrs

E. Science Foundations (6 hrs)
  PSC 1211 Physical Science  3 hrs
  Select one:  3 hrs
  ARH 2050 History of Western Art I  3 hrs
  ARH 2051 History of Western Art II  3 hrs
  MUL 2010 Enjoyment of Music  3 hrs
  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  3 hrs
  One of the following (per GEP)  3 hrs
  STA 1006C Basic Statistics using MS Excel or
  STA 2014C Principles of Statistics

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)
  PSC 1211 Physical Science  3 hrs
  Select one:  3 hrs
  AST 2002 Astronomy or
  GEO 1200 Physical Geography or
  GLY 1200 Geology and its Applications
  Select one associated science lab:  1 hr
  BSC 1005L Biological Principles Laboratory or
  PSC 1121L Physical Science Laboratory

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
  Select one:  3 hrs
  ARH 2050 History of Western Art I  3 hrs
  ARH 2051 History of Western Art II  3 hrs
  MUL 2010 Enjoyment of Music  3 hrs

C. Mathematics (9 hrs)
  One of the following (per GEP)  3 hrs
  STA 1006C Basic Statistics using MS Excel or
  STA 2014C Principles of Statistics

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)
  PSC 1211 Physical Science  3 hrs
  Select one:  3 hrs
  AST 2002 Astronomy or
  GEO 1200 Physical Geography or
  GLY 1200 Geology and its Applications
  Select one associated science lab:  1 hr
  BSC 1005L Biological Principles Laboratory or
  PSC 1121L Physical Science Laboratory

3. Education Core Requirements (15 hrs)

EDG 4323 Professional Teaching Practices  3 hrs
EDG 4326 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
RED 4043 Content Reading K-12  3 hrs

4. Internship I (ESE 3940) (3 hrs)
- Program Internship I Prerequisites: EDG 4323, EDF 4214, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed prior to Internship I with a minimum grade of “C” in all these prerequisite courses.
- See additional requirements listed under College of Education, Office of Clinical Experiences

5. Specialization Requirements (21 hrs)

FLE 4314 For Lang Tch in the Elementary School  3 hrs
FLE 4333 For Lang Tch in the Secondary School  3 hrs
SPN 3300 Advanced Spanish Grammar and Comp  3 hrs
SPN 3420 Spanish Composition  3 hrs
SPN 3750 Advanced Spanish Oral Communication  3 hrs
SPW 3100 Survey of Spanish Literature I  3 hrs
SPW 3101 Survey of Spanish Literature II  3 hrs
or in place of SPW 3100 and SPW 3101:
SPW 3130 Survey of Spanish Literature I  3 hrs
SPW 3131 Survey of Latin American Literature II

6. Upper Division Restricted Electives (9 hrs)
Select three upper division (3000 or 4000 level) courses in Spanish with advisor’s approval. Students are encouraged to select from the following courses:
- SPN 4410 Advanced Spanish Conversation
- SPN 4421 Advanced Spanish Composition
- SPN 4510 Spanish Civilization and Culture
- SPN 4520 Latin American Civilization and Culture

Any SPN 4xxx with advisor’s approval

7. Other Cognate Requirements (3 hrs)
- Select one of the following:  3 hrs
  LIN 4643 Cross-Cultural Communication
  SPN 4852 Bilingualism
  SPN 4800 Spanish-American Syntax
  SPN 4801 Spanish Morphosyntax

8. Internship II (ESE4943) (12 hrs)
- 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
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)

12. 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(12 hrs)</td>
<td>(16 hrs)</td>
</tr>
<tr>
<td>EDF 2005</td>
<td>3 hrs</td>
<td>EDG 2701 3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
<td>ENC 1102 3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
<td>MAC 1105 3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
<td>POS 2041 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PSC 1121 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PSC 1121L 1 hr</td>
</tr>
</tbody>
</table>

Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 2040</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(15 hrs)</td>
<td>(12 hrs)</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>3 hrs</td>
<td>AMH 2020 3 hrs</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>3 hrs</td>
<td>AST 2002 3 hrs</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3 hrs</td>
<td>SPN 2231 or 3 hrs</td>
</tr>
<tr>
<td>SPN 2230</td>
<td>3 hrs</td>
<td>SPN 2232 with 3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>3 hrs</td>
<td>advisor’s consent 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ARH 2050 or 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUL 2010 or 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>THE 2000 or 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FIL 2400 3 hrs</td>
</tr>
</tbody>
</table>

Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSL 4080</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(15 hrs)</td>
<td>(15 hrs)</td>
</tr>
<tr>
<td>EDF 4214</td>
<td>3 hrs</td>
<td>RED 4043 3 hrs</td>
</tr>
<tr>
<td>EDG 4323</td>
<td>3 hrs</td>
<td>SPW 3101 or 3 hrs</td>
</tr>
<tr>
<td>SPN 3300</td>
<td>3 hrs</td>
<td>SPW 3131 3 hrs</td>
</tr>
<tr>
<td>SPN 3420</td>
<td>3 hrs</td>
<td>Cognate elective 3 hrs</td>
</tr>
<tr>
<td>SPN 3760</td>
<td>3 hrs</td>
<td>Upper division restricted electives 6 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPW 4XXX 3 hrs</td>
</tr>
</tbody>
</table>

Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4314</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FLE 4333</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(12 hrs)</td>
<td>(12 hrs)</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>3 hrs</td>
<td>ESE 4943 12 hrs</td>
</tr>
<tr>
<td>ESE 3940</td>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3100 or</td>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3131</td>
<td></td>
<td>Upper division restricted elective (SPW 4XXX) 3 hrs</td>
</tr>
</tbody>
</table>


UCF Degree Programs

FORENSIC SCIENCE-ANALYSIS TRACK (B.S.)

College of Arts and Sciences
Department of Chemistry
CH 329, 407-823-6205
http://www.cas.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
B. Fooke

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major
- Students should consult with a departmental advisor
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core science and math) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the program 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 (39 hrs)

   A. Communication Foundations
   - Select ENC 1101, ENC 1102 6 hrs
   - Select SPC 1016 Tech Presentations 3 hrs

   B. Cultural and Historical Foundations
   - Select MAC 2311 Calculus w/ AnalyGeo I 3 hrs
   - Select STA 2023 Statistical Methods I 3 hrs

   C. Mathematical Foundations
   - Select PHY 2048 & L Phys Engr & Sci I 4 hrs
   - Select PHY 2049 & L Phys Engr & Sci II & Lab 4 hrs

   D. Social Foundations 6 hrs
   - Select PSY 2012 Psychology 3 hrs
   - Select POS 2041 Sociology 3 hrs

   E. Science Foundations
   - Select CHM 2045C* Chem Fund I 4 hrs
   - Select CHM 2046C* Chem Fund II w/ Lab 4 hrs
   - Select MAC 2311 Calculus w/ AnalyGeo I 4 hrs
   - Select MAC 2312 Calculus w/ AnalyGeo II 4 hrs
   - Select PHY 2048 & L* Physics Engr. & Sci. I & Lab 4 hrs
   - Select PHY 2049 & L* Physics Engr. & Sci. II & Lab 4 hrs

   *See Transfer Notes for possible substitutes

2. Common Program Prerequisites (16 hrs)

   BSC 2010C Biology I GEP
   - Select BSC 2010C Biology I 4 hrs

   CHM 2045C* Chem Fund I 4 hrs
   - Select CHM 2045C* Chem Fund I 4 hrs

   MAC 2311 Calculus w/ AnalyGeo I GEP
   - Select MAC 2311 Calculus w/ AnalyGeo I 4 hrs

   MAC 2312 Calculus w/ AnalyGeo II GEP
   - Select MAC 2312 Calculus w/ AnalyGeo II 4 hrs

   PHY 2048 & L* Physics Engr. & Sci. I & Lab
   - Select PHY 2048 & L* Physics Engr. & Sci. I & Lab 4 hrs

   PHY 2049 & L* Physics Engr. & Sci. II & Lab
   - Select PHY 2049 & L* Physics Engr. & Sci. II & Lab 4 hrs

3. Core Science and Math Requirements (21 hrs)

   BSC 2010C Biology I GEP
   - Select BSC 2010C Biology I 4 hrs

   CHM 2210 Organic Chem. I
   - Select CHM 2210 Organic Chem. I 3 hrs

   CHM 2211 & L Organic Chem II with lab
   - Select CHM 2211 & L Organic Chem II with lab 5 hrs

   CHM 3120C Analytical Chemistry
   - Select CHM 3120C Analytical Chemistry 5 hrs

   STA 2023 Statistical Methods I GEP
   - Select STA 2023 Statistical Methods I 4 hrs

   PCB 3063 & L Genetics
   - Select PCB 3063 & L Genetics 4 hrs

   PCB 3233 & L Immunology
   - Select PCB 3233 & L Immunology 4 hrs

   MAC 2311 Calculus w/ AnalyGeo I
   - Select MAC 2311 Calculus w/ AnalyGeo I 4 hrs

   MAC 2312 Calculus w/ AnalyGeo II
   - Select MAC 2312 Calculus w/ AnalyGeo II 4 hrs

   PHY 2048 & L* Physics Engr. & Sci. I & Lab
   - Select PHY 2048 & L* Physics Engr. & Sci. I & Lab 4 hrs

   PHY 2049 & L* Physics Engr. & Sci. II & Lab
   - Select PHY 2049 & L* Physics Engr. & Sci. II & Lab 4 hrs

4. Forensic Science Core (19 hrs)

   CHS 3501 Intro to Forensic Science
   - Select CHS 3501 Intro to Forensic Science 3 hrs

   CHS 3505C Forensic Microscopy
   - Select CHS 3505C Forensic Microscopy 4 hrs

   CHS 4337 Forensic Lab Quality Assurance
   - Select CHS 4337 Forensic Lab Quality Assurance 2 hrs

   CHS 3595 Foren Sci in the Courtroom
   - Select CHS 3595 Foren Sci in the Courtroom 3 hrs

   CHS 3532C Forensic Biochemistry I
   - Select CHS 3532C Forensic Biochemistry I 3 hrs

   CHS 4591 Forensic Science Internship
   - Select CHS 4591 Forensic Science Internship 4 hrs

5. Forensic Analysis Track (27 hrs)

   a. Required Courses (15 hrs)

   - Select CHM 3422 Applied Physical Chemistry 3 hrs

   - Select CHM 4130C Advanced Analytical Chemistry 4 hrs

   - Select CHS 3511C Trace Evidence 4 hrs

   - Select CHS 3530C Foren Anal of Controlled Subs 4 hrs

   b. Select 12 hours from the following: (12 hrs)
UNIVERSITY OF CENTRAL FLORIDA

Courses taken at community colleges do not substitute for Upper Related Minors:

Earn a grade of “C” (2.0) or better in each course used to satisfy requirements.

6. Departmental Exit Requirements

- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 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.
- 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

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 hours

Related Programs: Chemistry, Forensic Biochemistry Track
Related Minors: Chemistry

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 requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer

Chem test See catalog 0
Math test See catalog 0

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>BSC 2010C Biology I 4</td>
</tr>
<tr>
<td></td>
<td>ENC 1101 Composition I 3</td>
</tr>
<tr>
<td></td>
<td>MAC 2311 Calc Anal Geo I 4</td>
</tr>
<tr>
<td></td>
<td>MAC 2312 Calc Anal Geo II 4</td>
</tr>
<tr>
<td></td>
<td>CHM 2045C Chemistry Fund I 4</td>
</tr>
<tr>
<td></td>
<td>CHM 2046L Chemistry Fund L 1</td>
</tr>
<tr>
<td></td>
<td>CHS 3501 Intro to For Sci 3</td>
</tr>
<tr>
<td>Spring</td>
<td>PHY 2048 Phy for Eng Sci I 3</td>
</tr>
<tr>
<td></td>
<td>PHY 2048L Phy L Eng Sci I 1</td>
</tr>
<tr>
<td></td>
<td>PHY 2049L Phy L Eng Sci II 1</td>
</tr>
<tr>
<td></td>
<td>CHM 2210 Organic Chem I 3</td>
</tr>
<tr>
<td></td>
<td>ENU 2001* req# 1B1-GEP 3</td>
</tr>
<tr>
<td></td>
<td>CHM 2211L Organic L Tech I 2</td>
</tr>
<tr>
<td></td>
<td>ANT 4521C* req# 5b-RElect 5</td>
</tr>
<tr>
<td></td>
<td>CHS 3505C Forensic Mic 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4537 For L Qual Assur 2</td>
</tr>
<tr>
<td></td>
<td>BCH 3063 Genetics 3</td>
</tr>
<tr>
<td></td>
<td>CHS 3533 Forensic Biochem I 3</td>
</tr>
<tr>
<td></td>
<td>CHS 3534 Forensic Biochem II 3</td>
</tr>
<tr>
<td></td>
<td>CHS 3530 Forensic Analysis 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4030 Forensic Biochem 4</td>
</tr>
<tr>
<td></td>
<td>CHS 3595 For Sci in the Crt 3</td>
</tr>
<tr>
<td></td>
<td>ABC Exam See catalog 0</td>
</tr>
<tr>
<td></td>
<td>CHS 4547C Advanced Topics in Trace Evidence 3 hrs</td>
</tr>
<tr>
<td></td>
<td>CHS 4515C Forensic Science 4 hrs</td>
</tr>
<tr>
<td></td>
<td>CHS 4506C Forensic Investigating Techniques 3 hrs</td>
</tr>
<tr>
<td></td>
<td>CHS 4571 Forensic Anthropology 3 hrs</td>
</tr>
<tr>
<td></td>
<td>CHS 4591 For Science Intrn 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4511C Forensic Analysis I 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4594 For Sci in the Crt 3</td>
</tr>
<tr>
<td></td>
<td>CHS 4515C Forensic Science 4 hrs</td>
</tr>
<tr>
<td></td>
<td>CHS 4530 Forensic Science 4 hrs</td>
</tr>
<tr>
<td></td>
<td>CHS 4595 For Sci in the Crt 3</td>
</tr>
<tr>
<td></td>
<td>CHS 4596 For Sci in the Crt 3</td>
</tr>
<tr>
<td></td>
<td>CHS 4597 For Sci in the Crt 3</td>
</tr>
<tr>
<td></td>
<td>CHS 4598 For Sci in the Crt 3</td>
</tr>
<tr>
<td></td>
<td>CHS 4599 For Sci in the Crt 3</td>
</tr>
<tr>
<td></td>
<td>CHS 4591 For Science Intrn 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4592 For Science Intrn 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4593 For Science Intrn 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4594 For Science Intrn 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4595 For Science Intrn 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4596 For Science Intrn 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4597 For Science Intrn 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4598 For Science Intrn 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4599 For Science Intrn 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4505C Forensic Mic 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4537 For L Qual Assur 2</td>
</tr>
<tr>
<td></td>
<td>BCH 3063 Genetics 3</td>
</tr>
<tr>
<td></td>
<td>CHS 3533 Forensic Biochem I 3</td>
</tr>
<tr>
<td></td>
<td>CHS 3534 Forensic Biochem II 3</td>
</tr>
<tr>
<td></td>
<td>CHS 3530 Forensic Analysis 4</td>
</tr>
<tr>
<td></td>
<td>CHS 3511C Trace Evidence 4</td>
</tr>
<tr>
<td></td>
<td>Elective* Check restrictions 2</td>
</tr>
<tr>
<td></td>
<td>CHS 4515C Forensic Science 4 hrs</td>
</tr>
</tbody>
</table>

FORENSIC SCIENCE-BIOCHEMISTRY TRACK (B.S.)

College of Arts and Sciences
Department of Chemistry
CH 223, 407-823-0163
http://www.cas.ucf.edu/chemistry/
E-mail: chemistry@ucf.edu
J. Ballantyne

Admission Requirements

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 (Common Program Prerequisites) and 3 (Core science and math) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the program 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

A. Communication Foundations
- Select ENC 1101, ENC 1102
- Select SPC 1016 Tech Presentations

B. Cultural and Historical Foundations
- Select MAC 2311 Calculus & Analy Geo I
- Select STA 2023 Statistical Methods I

C. Mathematical Foundations
- Select MAT 2023 Statistics

D. Social Foundations
- Select MAC 2311 Calculus & Analy Geo I

E. Science Foundations
- Select PHY 2048L & L Physics Engr & Sci

- Biology
- Chemistry
- Mathematics
- Physics
## UCF Degree Programs

### 2. Common Program Prerequisites (16 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemical Fund I</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 2046 L</td>
<td>Chem. Fund II with lab</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311*</td>
<td>Calculus &amp; Analy Geo I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312*</td>
<td>Calculus &amp; Analy Geo II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2040*</td>
<td>Physics Science &amp; Eng I</td>
<td>GEPE</td>
</tr>
<tr>
<td>PHY 2040&amp;L*</td>
<td>Physics Science &amp; Eng II</td>
<td>4</td>
</tr>
</tbody>
</table>
| *See Transfer Notes for possible substitutes

### 3. Core Science and Mathematics Requirements (21 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>5</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chem. I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211 L</td>
<td>Organic Chem. II with lab</td>
<td>5</td>
</tr>
<tr>
<td>CHM 310C</td>
<td>Analytical Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>PCB 3233 L</td>
<td>Immunology</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus &amp; Analy Geo I</td>
<td>CPP</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus &amp; Analy Geo II</td>
<td>CPP</td>
</tr>
<tr>
<td>PHY 2048&amp;L</td>
<td>Physics Science &amp; Eng I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049&amp;L</td>
<td>Physics Science &amp; Eng II</td>
<td>4</td>
</tr>
</tbody>
</table>

### 4. Forensic Science Core (19 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 3501</td>
<td>Intro to Forensic Science</td>
<td>3</td>
</tr>
<tr>
<td>CHS 3505C</td>
<td>Forensic Microscopy</td>
<td>4</td>
</tr>
<tr>
<td>CHS 4537</td>
<td>Forensic Lab Quality Assurance</td>
<td>3</td>
</tr>
<tr>
<td>CHS 3595</td>
<td>Forensic Sci in the Courtroom</td>
<td>3</td>
</tr>
<tr>
<td>CHS 3533C</td>
<td>Forensic Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHS 4591</td>
<td>Forensic Science Internship</td>
<td>4</td>
</tr>
</tbody>
</table>

### 5. Forensic Biochemistry Track (29 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>BCH 4103L</td>
<td>Biochemical Methods Lab</td>
<td>2</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4524</td>
<td>Molecular Biology II</td>
<td>3</td>
</tr>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
<td>4</td>
</tr>
<tr>
<td>CHS 4344</td>
<td>Forensic Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHS 4352</td>
<td>Interpretation of DNA Evidence</td>
<td>3</td>
</tr>
</tbody>
</table>

### 6. Department Exit Requirements

- Achieve a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
- Computer Competency met by CHS 3505C and CHS 4537.
- American Board of Criminalists (ABC) exit exam must be taken prior to graduation.
- 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 minimum of 124 semester hours
- 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

### Total Semester Hours Required

124 hours

### 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
- 25%: 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&L* 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.

### Summer

Chem Test See catalog 0
Math test See catalog 0

### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>BSC 2010C Biology I 4</td>
</tr>
<tr>
<td></td>
<td>MAC 2311 Calculus &amp; Analy Geo I 3</td>
</tr>
<tr>
<td></td>
<td>ENC 1101 Composition I 3</td>
</tr>
<tr>
<td></td>
<td>CHM 2311 Calc Anal Geo I 4</td>
</tr>
<tr>
<td></td>
<td>CHM 2045C Chemistry Fund I 4</td>
</tr>
<tr>
<td></td>
<td>MAC 2312 Calc Anal Geo II 4</td>
</tr>
<tr>
<td></td>
<td>CHS 3501 Intro to For Sci 3</td>
</tr>
<tr>
<td>Spring</td>
<td>PHY 2048 Phy for Eng Sci I 3</td>
</tr>
<tr>
<td></td>
<td>CHM 2046 Chemistry Fund II 3</td>
</tr>
<tr>
<td></td>
<td>CHM 2045C Chemistry Fund I 4</td>
</tr>
<tr>
<td></td>
<td>MAC 2312 Calc Anal Geo II 4</td>
</tr>
<tr>
<td></td>
<td>CHS 3501 Intro to For Sci 3</td>
</tr>
</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>EUH 2000* req# 1BL-GEP 3</td>
</tr>
<tr>
<td></td>
<td>SPC 1016 Tech Presentations 3</td>
</tr>
<tr>
<td></td>
<td>STA 2023 Stat Methods I 3</td>
</tr>
<tr>
<td></td>
<td>PHY 2049 Phy for Eng Sci II 3</td>
</tr>
<tr>
<td></td>
<td>PHY 2049L Phy L Eng Sci II 1</td>
</tr>
<tr>
<td></td>
<td>CHM 2210 Organic Chem I 3</td>
</tr>
<tr>
<td></td>
<td>CHS 3505C Forensic Mic 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4537 Forensic Sci in the Courtroom 3</td>
</tr>
<tr>
<td></td>
<td>MCB 3020C General Micro 5</td>
</tr>
<tr>
<td>Spring</td>
<td>ENC 1102 Composition II 3</td>
</tr>
<tr>
<td></td>
<td>REL 2303 req# 1B3-GEP 3</td>
</tr>
<tr>
<td></td>
<td>PCB 3063 Genetics L 4</td>
</tr>
<tr>
<td></td>
<td>CHS 3595 For Sci in the Crt 3</td>
</tr>
<tr>
<td></td>
<td>CHS 4532 Interp of Devinc 3</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>CHM 3120C Analy Chemistry 5</td>
</tr>
<tr>
<td></td>
<td>PCB 3063 Genetics 3</td>
</tr>
<tr>
<td></td>
<td>CHS 3505C Forensic Mic 4</td>
</tr>
<tr>
<td></td>
<td>CHS 4537 For L Qual Assur 2</td>
</tr>
<tr>
<td>Spring</td>
<td>ENC 1102 Composition II 3</td>
</tr>
<tr>
<td></td>
<td>REL 2303 req# 1B3-GEP 3</td>
</tr>
<tr>
<td></td>
<td>PCB 3063L Genetics L 1</td>
</tr>
<tr>
<td></td>
<td>CHS 3595 For Sci in the Crt 3</td>
</tr>
<tr>
<td></td>
<td>CHS 4532 Interp of Devinc 3</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>PCB 3233 Immunology 3</td>
</tr>
<tr>
<td></td>
<td>PCB 3233L Immunology L 1</td>
</tr>
<tr>
<td></td>
<td>CHS 3553C Forensic Biochem I 3</td>
</tr>
<tr>
<td></td>
<td>BSC 4053 Biochemistry I 3</td>
</tr>
<tr>
<td></td>
<td>PCB 3522 Mol Biology I 3</td>
</tr>
<tr>
<td></td>
<td>PCB 4524 Mol Biology II 3</td>
</tr>
<tr>
<td></td>
<td>ABC Exam See catalog 0</td>
</tr>
<tr>
<td>Spring</td>
<td>PCB 3233L Immunology L 1</td>
</tr>
<tr>
<td></td>
<td>PCB 3233L Immunology L 1</td>
</tr>
<tr>
<td></td>
<td>CHS 3553C Forensic Biochem I 3</td>
</tr>
<tr>
<td></td>
<td>BSC 4053 Biochemistry I 3</td>
</tr>
</tbody>
</table>

### CLAST and nine hours of Summer credit (if applicable).
FRENCH (B.A.)

College of Arts and Sciences
Department of Modern Languages & Literatures
CNH 523,
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
   A. Communication Foundations
   B. Cultural and Historical Foundations
   C. Mathematical Foundations
      Select MGF 1106 Finite Mathematics
      (may substitute a higher level math)
      Prefer STA 1060C Statistics Using Excel
   D. Social Foundations
   E. Science Foundations
   (36 hrs)
   (9 hrs)
   (9 hrs)
   (3 hrs)
   (3 hrs)
   (6 hrs)
   (6 hrs)

2. Common Program Prerequisites
   (0-14 hrs)
   - FRE 1120* Elem French Lang & Civ I
   - FRE 1121* Elem French Lang & Civ II
   - FRE 2200* Interm French Lang & Civ I
   - FRE 2201* Interm French Lang & Civ II
   * May be met by proficiency test or completion of FRE 2201
   (4 hrs)
   (4 hrs)
   (3 hrs)
   (3 hrs)

3. Core requirements
   - FRE 3300* Advanced Grammar
   - FRE 3420 French Composition
   or
   or
   - FRE 4422 Advanced French Composition
   - FRE 3760* Adv French Oral Communication
   or
   or
   - FRE 4421 Advanced French Conversation
   - FRW 3100 Survey of French Literature I
   - FRW 3101 Survey of French Literature II
   - FRE 3780* French Phonetics and Diction
   - FSL 3730 Romance Philology
   (21 hrs)
   (3 hrs)
   (3 hrs)
   (3 hrs)
   (3 hrs)
   (3 hrs)
   (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
   French literature beyond the survey level
   (15 hrs)
   (6 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, Russian 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
   B. Cultural and Historical Foundations
   C. Mathematical Foundations
   - Select MAC 1105 College Algebra
   - Select CGS 2100C Computer Fundamentals for Bus
   D. Social Foundations
   E. Science Foundation
   (9 hrs)
   (9 hrs)
   (9 hrs)
   (3 hrs)
   (3 hrs)
   (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
   (3 hrs)
   (3 hrs)
   (3 hrs)
   (3 hrs)
3. Required for All Business Majors (30 hrs)

First Semester in the College of Business Administration:

- GEB 3031 Cornerstone 6 hrs
- GEB 3356 Introduction to International Business 3 hrs

First or subsequent semesters depending on major:

- BUL 3130 Legal & Ethical Environments of Business 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 4303 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 transferred into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting major to General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration.
- Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn 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:

<table>
<thead>
<tr>
<th>Accounting</th>
<th>Economics</th>
<th>Finance</th>
<th>Management</th>
<th>Marketing</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3131</td>
<td>ECO 3223</td>
<td>FIN 3303</td>
<td>MAN 3501</td>
<td>MAR 3613</td>
</tr>
<tr>
<td>Intermediate Managerial Accounting</td>
<td>Money and Banking</td>
<td>Financial Markets</td>
<td>Management of Human Resources</td>
<td>Marketing Research &amp; Analysis</td>
</tr>
<tr>
<td>TAX 4001</td>
<td>ECP 3203</td>
<td>FIN 3414</td>
<td>MAN 4240</td>
<td>MAR 3403</td>
</tr>
<tr>
<td></td>
<td>ECP 4703</td>
<td>FIN 3504</td>
<td></td>
<td>MAR 4841</td>
</tr>
<tr>
<td></td>
<td>Managerial Economics</td>
<td>Investment Analysis</td>
<td></td>
<td>Service Marketing</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MAR 4156</td>
</tr>
</tbody>
</table>

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.

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 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: tfalen@mail.ucf.edu

Web Address: http://www.co.hpa.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 must also be submitted by the program deadline of March 1st. Acceptance to UCF is necessary before acceptance to the program can occur
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)

Degree Requirements

- Students who 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... 165
UCF Degree Programs

(36 hrs)

1. UCF General Education Program
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 1022

2. Common Program Prerequisites

(17 hrs)

ZOO 3733C Human Anatomy* 4 hrs
PCB 3703C Human Physiology* 4 hrs
STA 2014C Statistics GEP 3 hrs
CGS 2100C Computer Science for Business* 3 hrs
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
* see transfer notes

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
HSC 4702 Health Sciences Research Methods 3 hrs
HSC 3531 Medical Terminology 3 hrs
HSC 3640 Health Law 3 hrs
HSC 4550 Pathophysiologic Mechanisms 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 3806L 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 4 hrs
HIM 4344C Health Information Department Management 4 hrs
HIM 4506 Quality Management 3 hrs
HIM 4838 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 registration 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 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)

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 hrs
- Statistics (STA 2014C or any other statistics course) 3 hrs
- Computer Science for Business (CGS 1060C or any other computer science course) 3 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 14 hrs Spring 16 hrs
ENC 1101 3 ENC 1102 3
CHM 1032 3 STA 2014C 3
HSC 2000 2 BSC 2010C 4
MAC 1105 3 EUH 2000 or HUM 2211 3
PSY 2012 or SYG 2000 3 or MHI 110 3
or ANT 2000 or POS 2041 or ECO 2303 3

*Plan your required nine summer hours into your course of study

Sophomore Year

Fall 13 hrs Spring 13 hrs
ACG 2021 3 ACG 2071 3
ZOO 3733C 4 PCB 3703C 4
EH 2001 or HUM 2230 4
or MHI 2020 or AMH 2002 3
HIM 3006 3 HIM 3116C 4
CGS 2100C 3 HIM 3806L 4
HSC 3531** 3 HIM 3816L 4
HSA 4109 3 HSC 4550** 3
MAN 3025** or HSA 4180 3 HSC 3157 3
EUH 2001 POS 2041, PHI 2010, LIT 2110, LIT 2120 3

Junior Year

Fall 13 hrs 15 hrs Spring 16 hrs
HSA 4191** 3 HSC 4550** 3
HSA 3170** 3 HSC 5116C 4
HSC 3640** 3 HIM 3806L 4
HSA 3170** or HSA 4180 3 MAN 3025** or HSA 4180 3
HSC 4550** 3 HSC 3157** 3
HUM 2300, PHI 2300, PHI 2310, LIT 2110, LIT 2120 3

Senior Year

Fall 13 hrs Spring 13 hrs
HIM 4344C 4 HIM 4676 3
HSA 3170** 3 HIM 4656C 3
HIM 4506 3 HIM 3816L 4
HIM 4256C 3 HIM 4702** 3
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 TRAINING TRACK (B.S.)

College of Health and Public Affairs
HPA2 210, 407-823-3463
http://www.cohpa.ucf.edu/health.pro/athletic
E-mail: kschellh@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 very intensive and courses include clinical experience 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 admission to the program.

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 qualifications 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 Allied Health Education Programs (CAAHEP)). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the NATABOC certification exam.

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 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.
- 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
   - D. Social Foundations 6 hrs
   - E. Science Foundations 6 hrs

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 I and Lab GEP
   - ZOC 3737C Human Anatomy 4 hrs
   - PCB 3753C Human Physiology 4 hrs
   - CHM 2045C Chemistry Fundamentals I GEP
   - PHY 2053C Coll Physics I (algebra based) or 4 hrs
   - PHY 2053L Physics for Scientists I (calculus based) 4 hrs
   - HUN 2002 Modern Concepts of Nutrition 3 hrs
   - STA 2023 Statistical Methods I GEP
   - PSY 2012 General Psychology GEP

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.

3. Professional Phase (58 hrs)
   - PET 4603 Introduction to Athletic Training 3 hrs
   - PET 3620C Principles of Athletic Training 3 hrs
   - PET 3670C Practicum in Athletic Training I 4 hrs
   - PET 4631C App Exercise and Human Phys 3 hrs
   - PET 3623C Recognition and Evaluation of Athletic Injuries I 3 hrs
   - PET 3671C Practicum in Athletic Training II 4 hrs
   - PET 4680C Org and Admin in Athletic Training 3 hrs
   - PET 4632C Ther Exerc in Athletic Training 4 hrs
   - PET 4632C Ther Mod in Athletic Training 4 hrs
   - PET 4642C Recognition and Evaluation of Athletic Injuries II 3 hrs
   - PET 4315C Biomechanics of Sport 3 hrs
   - PET 4672C Practicum in Athletic Training II 4 hrs
   - HSA 4702 Health Science Research 3 hrs
   - PET 4606 App Fitness in Sport 3 hrs
   - PET 4673C Practicum in Athletic Training IV 4 hrs
   - HSC 3157 Introduction to Pharmacology 3 hrs
   - PET 4604 Sports Medicine in Field Application 3 hrs
   - PET 4674 Senior Seminar 1 hr

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
UCF Degree Programs

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: Aging Studies Certificate, Business, Public Administration

Related Minors: Business, Computer Sciences, Aging Studies, Biology, Coaching, Fitness Training, Health Information Management, 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 X089 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>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
<td>ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>3</td>
<td>POS 2041</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2000</td>
<td>2</td>
<td>BSC 2010C</td>
<td>4</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>3</td>
<td>MAC 1114</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053C</td>
<td>4</td>
<td>MUL 2010 or REL 2300</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>4</td>
<td>THE 2000 or PHI 2010</td>
<td>3</td>
</tr>
<tr>
<td>STA 2033</td>
<td>3</td>
<td>HUN 2002</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2000 or HUM 2211</td>
<td>3</td>
<td>PCB 3703C</td>
<td>4</td>
</tr>
<tr>
<td>or AMH 2010 or WOH 2012</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>or AMH 2010 or WOH 2012</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Summer

<table>
<thead>
<tr>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4603</td>
</tr>
<tr>
<td>PET 3620C</td>
</tr>
<tr>
<td>(Foreign Lang I)</td>
</tr>
<tr>
<td>(Foreign Lang II)</td>
</tr>
</tbody>
</table>

If not satisfied in high school

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3670C</td>
<td>4</td>
<td>HSC 3157</td>
<td>3</td>
</tr>
<tr>
<td>PET 4315C</td>
<td>3</td>
<td>PET 4624C</td>
<td>3</td>
</tr>
<tr>
<td>PET 3623C</td>
<td>3</td>
<td>PET 3671C</td>
<td>4</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Summer

<table>
<thead>
<tr>
<th>8 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4630C</td>
</tr>
<tr>
<td>PET 4632C</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4660C</td>
<td>3</td>
<td>HSA 4702</td>
<td>3</td>
</tr>
<tr>
<td>PET 4315C</td>
<td>3</td>
<td>PET 4606</td>
<td>3</td>
</tr>
<tr>
<td>PET 4674</td>
<td>1</td>
<td>PET 4679C</td>
<td>3</td>
</tr>
<tr>
<td>PET 4672C</td>
<td>4</td>
<td>PET 4604</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HSA 3111: US Healthcare Systems 3 hrs
HSA 4109: Managed Care 3 hrs
HSA 4201: Community Health Services 3 hrs
HSA 4180: O&G of Mgmt of Health Agencies or 3 hrs
PET 4660C: O&G of Admin of Athletic Training 3 hrs
HSA 4191: Health Care Automation 3 hrs
HSA 3222: Long Term Care Administration 3 hrs
HSA 4702: Health Sciences Research Methods 3 hrs
HSC 3101C: Medical Self Assessment 3 hrs
HSC 3531: Medical Terminology 3 hrs
HSC 3640: Health Law 3 hrs
HSC 4243: Analysis of Instruction 3 hrs
HSC 4500: Epidemiology 3 hrs
HSC 4564: Healthcare Needs of the Elderly or 3 hrs
PET 3259: Patient Care Skills

HEALTH SCIENCES - GENERALIST TRACK (B.S.)

College of Health and Public Affairs

HPA2 210, 407-823-2369

Undergraduate Program Director: Thomas Falen
Web Address: http://www.cohpa.ucf.edu/health.pro

Purposes of this degree - Provides an opportunity for credentialed health care professionals to expand scope of their education through completion of courses both within and outside of their discipline and to enable students considering a health services career to complete courses in several disciplines in order to make informed career decisions.

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

1. UCF General Education Program (36 hrs)

A. Communication Foundations
- 9 hrs
- Select MUL 2010 Enjoyment of Music or REL 2300

B. Cultural Historical Foundations
- 9 hrs
- Select STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

C. Mathematical Foundations
- 6 hrs
- Select STA 2012A Principles of Statistics or STA 2023 Statistical Methods I

D. Social Foundations
- 6 hrs
- Select STA 2012A Principles of Statistics or STA 2023 Statistical Methods I

2. Common Program Prerequisites (0 hrs)

- MAC 1105 College Algebra GEP
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
- BSC 2010C Biology I GEP

3. Core Requirements - Lower Division (14 hrs)

- CGS 2100C Computer Fundamentals for Business or 3 hrs
- CHM 1022 General Chemistry 3 hrs
- ECO 2023 Microeconomics 3 hrs
- HSC 2000 Intro to Allied Health Professions 3 hrs
- MAC 1114 College Trigonometry 3 hrs

Core Requirements - Upper Division (48 hrs)

- HIM 3006 Foundations of Health Info Mngmnt 3 hrs
- HSA 3111 US Healthcare Systems 3 hrs
- HSA 4109 Managed Care 3 hrs
- HSA 4201 Community Health Services 3 hrs
- HSA 4180 O&G of Mgmt of Health Agencies or 3 hrs
- PET 4660C O&G of Admin of Athletic Training 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSA 3222 Long Term Care Administration 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs
- HSC 3101C Medical Self Assessment 3 hrs
- HSC 3531 Medical Terminology 3 hrs
- HSC 3640 Health Law 3 hrs
- HSC 4243 Analysis of Instruction 3 hrs
- HSC 4500 Epidemiology 3 hrs
- HSC 4564 Healthcare Needs of the Elderly or 3 hrs
- PET 3259 Patient Care Skills
HSC 4653  Healthcare Ethics  3 hrs
HUN 3011  Human Nutrition or  3 hrs
HSC 3593C  HIV Disease or  3 hrs
HSC 4008  Professional Development of the Health Professions

4. Lower Level Electives  (0-5 hrs)
Number of hours depends upon the number of foreign language hours required

5. Upper Division Restricted Electives  (0-15 hrs)
Up to 15 hours from related health science programs with departmental approval

6. Foreign Language Requirements  (0-8 hrs)
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: None

7. 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 and 3 above). An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of coursework must be completed in residency at UCF
- 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:
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, Professional graduate study disciplines to which this degree option might lead: Physical Therapy, Social Work, Health Services Administration.

Related Minors: None

Transfer Notes:
Associate of Arts Degree recommended. 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  14 hrs  Spring  16 hrs
ENC 1101  3  ENC 1102  3
CGS 1060C or CGS 2100C  3  POS 2041  3
CHM 1032  3  BSC 2100C  4
MAC 1105  3  PSY 2012  3
HSC 2000  2  ECO 2023  3

Sophomore Year
Fall  15/17 hrs  Spring  15/16 hrs
PHY 2053C  4  MUL 2010 or REL 2300  3
MAC 1114  3  or THE 2000 or PHI 2010  3
SPC 1600  3  STA 2014C or STA 2023  3
EUH 2000 or HUM 2211  3  or AMH 2100  3
or AMH 2020  3  Foreign Lang I* or other lower level courses  3/4

* if not satisfied in high school. If foreign language is fulfilled through other than coursework, student shall be required to complete 6-8 hours of lower division elective coursework.

Junior Year
Fall  15 hrs  Spring  15 hrs
HSC 3110C  3  HSA 4180 or PET 4660C  5
HIM 3006  3  HSA 2222  3

Senior Year
Fall  15 hrs  Spring  15 hrs
HSA 4702  3  HSA 4249  3
HSC 3574 or HUM 4300  3  HSA 4109  3
HSC 4651  3  HSC 4653  3
Elec (if needed)  3  Elective (if needed)  3

HEALTH SERVICES ADMINISTRATION (B.S)
College of Health and Public Affairs
HPA2  210, 407-823-2359
http://www.cohpa.ucf.edu/health.pro/
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 2100C 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.

Admission Requirements  none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be 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
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 2100C  Computer Fund for Business Applications or  3 hrs
CGS 1060C  Intro to Computer Science
ECO 2023  Microeconomics  GEP
AGC 2021  Financial Accounting  3 hrs
AGC 2071  Managerial Accounting  3 hrs
STA 2014C or 2023  Statistical Methods  GEP

Students must earn a “C” (2.0) or better in each Common Program Prerequisite course.

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

UCF Degree Programs

169
UCF Degree Programs

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. UCF elective courses include:

  HSA 4941  HSA Internship
  HIM 4656C  Health Information Management Systems
  HIM 3006  Foundations of Health Information Management
  HIM 4506  Quality Management

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 that 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 residency at UCF
  A 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: Aging Studies Certificate, Public Administration, Health Information Management

Related Minors: Aging Studies, Health Information Management, Health Sciences, Information Systems, and Public Administration. Courses leading to a Certificate in Aging Studies are appropriate.

Tentative Course Schedule for Entering Freshmen

Freshman Year*

Fall  14 hrs  Spring  15 hrs
ENC 1101  3  ENC 1102  3
PSY 2012 or SYG 2000  3  ECO 2013  3
or ANT 2000
HSC 2000  3  PSC 1121 or CHM 1020  3
MAC 1105  3  REL 2300 or PHI 2010  3
Elective  3  SPC 1900  3

Sophomore Year

Fall  15 hrs  Spring  15 hrs
ACG 2021  3  ACG 2071  3
ECO 2023  3  STA 2023  3
BSC 1005  3  HSA 3111  3
or EUN 2000 or HUM 2211  3  EUH 2001 or HUM 2230  3
or AMH 2010 or WOH 2012  3  or AMH 2020 or WOH2022

Summer  8 hrs
Foreign Language I  4
Foreign Language II  4
(if not satisfied in high school)

Junior Year

Fall  15 hrs  Spring  15 hrs
HSC 4500  3  HSA 4191  3
HSA 2222  3  HSA 3170  3
HSC 3531  3  HSA 4180  3
HSA 4201  3  Elective  3
Elective  3  Elective  3

Senior Year

Fall  15 hrs  Spring  15 hrs
HSA 3430  3  HSC 4564  3
HSC 3640  3  HSA 4109  3
HSC 4653  3  Internship  3
HSA 4502 or HIM 4506  3  HSA 4702  3
Elective  3  Elective  3

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.

HISTORY (B.A.)

College of Arts and Sciences

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
  Students must compile a portfolio of their written work in history, completed inside and outside the classroom
  Students must complete 36 hours in history
  Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program  (36 hrs)
A. Communication Foundations  9 hrs
B. Cultural and Historical Foundations
Select AMH 2010 US History: 1492-1877  3 hrs
Select AMH 2020 US History: 1877-Present  3 hrs
Select one class from 1.B.2 list  3 hrs
C. Mathematical Foundations
Select MGF 1106 Finite Mathematics (may substitute a higher level math)  3 hrs
Prefer CGS 1060C Intro to Computer Sci  3 hrs
D. Social Foundations  6 hrs
E. Science Foundations  6 hrs

2. Common Program Prerequisites  (0 hrs)
AMH 2010*  US History: 1492-1877  GEP
AMH 2020*  US History: 1877-Present  GEP
*See Transfer Notes for possible substitutes

3. Core Requirements  (9 hrs)
Select one sequence
EUH 2000, 2001 Western Civilization I & II  6 hrs
WOH 1202, 2022 World Civilization I & II

4. Upper Division Restricted Electives  (21 hrs)
(Must be taken within the History Department)
Select six hours of approved history courses within three of the four geographic regions. 18 hrs
1) Asian, African, and Middle Eastern
2) British and European
3) Latin American
4) U.S. and Canadian
Select three hours of approved history courses 3 hrs

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 (0-8 hrs)
Admission: Meet 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. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

7. Electives (variable)
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Humanities

Related Minors: African-American Studies, American Studies, Asian Studies, Humanities, Judaic Studies, Latin American and Iberian Area Studies, Russian Area Studies, Women’s Studies

Transfer Notes:
- Grades below “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out of state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- AMH 2010* & 2020*: may use any two introductory courses with an AMH, EH, 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 1020 U S His 1492 1877 3
BSC 1005* req# 1E2-GEP 3
ENC 1101 Composition I 3
POS 2041* req# 1D1-GEP 3

Spring
AMH 1020 U S His 1877 Pres 3
CHM 1020* req# 1E1-GEP 3
ENC 1102 Composition II 3
Mgf 1106* req# 1C1-GEP 3

Sophomore Year

Fall
ARH 2050* req# 1B3-GEP 3
CGS 1060C Intro to Comp Sci 3
EUH 2000* req# 3-Care 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
SPN 1120* req# Lang/Elec 4
Elective* Check restrictions 3
Elective* Check restrictions 3

Junior Year

Fall
His 1450 History & Histrens 3
ASH 3222* req# 4.1-ResEle 3
EUH 3315* req# 4.2-ResEle 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
AMH 3423* req# 4.4-ResEle 3
MAH 3571* req# 4.4-ResEle 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Senior Year

Fall
LAH 3130* req# 4.3-ResEle 3
AMH 3423* req# 4.4-ResEle 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
EUH 3315* req# 4.2-ResEle 3
ASH 3223* req# 4.1-ResEle 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 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)
- Communication Foundations 9 hrs
- Cultural and Historical Foundations 9 hrs
- Mathematical Foundations 3 hrs
- Social Foundations 3 hrs
- Science Foundation 6 hrs

2. Common Program Prerequisites (3 hrs)
- HFT 1000 Introduction to Hospitality/Tourism 3 hrs

3. Hospitality Management Core (52 hrs)
- Quantitative Tools
  - CGS 2100 Computer Fundamentals of Business (GEP)
  - MAC 1105 College Algebra (GEP)
- Fundamental
  - FSS 2221C Quantity Food Preparation 3 hrs
  - HFT 3540 Guest Services Management 3 hrs
- Managerial Tools
  - HFT 2403 Hospitality Financial Accounting 3 hrs
  - HFT 3431 Hospitality Managerial Accounting 3 hrs
  - HFT 2500 Hospitality Marketing 3 hrs
  - HFT 2220 Hospitality Human Resource Mgmt 3 hrs
  - HFT 3444 Hospitality Information Systems 3 hrs
  - HFT 3600 Legal Environment in Hospitality 3 hrs
  - HFT 4295 Leadership and Strg Mgmt in Hospitality Ind 3 hrs
  - HFT 4286 Hospitality Communications 3 hrs
  - HFT 4462 Hospitality Industry Finance 3 hrs
### D. Sectoral Studies – Choose 5 of the following 6 courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2254</td>
<td>Lodging Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2434</td>
<td>Hospitality Facilities Planning &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2498</td>
<td>Hospitality Business Consulting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3785</td>
<td>Management of Gaming Enterprises</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3807</td>
<td>Multi-Food Service Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4861C</td>
<td>Beverage Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 3124</td>
<td>Supply and Procurement Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 4135</td>
<td>Corporate Contract &amp; Managed Services Orgs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 4286C</td>
<td>Intermediate Techniques of Food Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4753</td>
<td>Convention &amp; Conference Services</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Catering Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4758</td>
<td>Contemporary Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Employee Experience in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4442</td>
<td>Vacation Ownership Resort Reservations/ Data Base Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4758</td>
<td>Contemporary Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4266</td>
<td>Restaurant Brand Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4644</td>
<td>Sanitation Mgt in Foodservice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4274</td>
<td>Vacation Ownership Resort Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4522</td>
<td>Vacation Ownership Resort Sales Tactics and Strategies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### E. Internships (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3941</td>
<td>Practicum I</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4841</td>
<td>Practicum II</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>Practicum III</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### F. Guest Lectures (1 hr)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3933</td>
<td>Distinguished Lectures in Hospitality Management</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### G. Hospitality Financial Management and Technology (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4442</td>
<td>Vacation Ownership Resort Reservations/ Data Base Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4453</td>
<td>Food, Beverage and Labor Cost Controls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4413</td>
<td>Technology Applications for Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>Hotel Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 3008</td>
<td>Culture and Cuisine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3784</td>
<td>Amusement Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3802</td>
<td>Catering Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3770</td>
<td>Cruise Line Operations and Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3574</td>
<td>Food Service Marketing Advertising</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3654</td>
<td>Leadership in the Restaurant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3610</td>
<td>Law and Restaurant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3374</td>
<td>Multi Media Applications in Exhibitions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3634</td>
<td>Topics in Restaurant and Foodservice Mgt</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4375</td>
<td>Advanced Trade Show Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4864</td>
<td>Seminar in Quality Brewing and Fine Beer</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### H. Golf Management Track – Choose 5 Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4425</td>
<td>Financial Analysis for Restaurant Managers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4645</td>
<td>Restaurant Real Estate, Site Selection and Modeling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4277</td>
<td>Yacht, Country, and City Club Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3285</td>
<td>International Restaurant Corporate Mgmt</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3511</td>
<td>Convention and Conference Sales</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3515</td>
<td>Reservations Sales &amp; Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4284</td>
<td>Training and Performance in the Food Svc Ind</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4866C</td>
<td>Exploring Wines of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3668</td>
<td>History of Wine and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4753</td>
<td>Convention and Conferences Services</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3802</td>
<td>Catering Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3741</td>
<td>Meeting Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3757</td>
<td>Event Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3511</td>
<td>Convention and Conference Sales</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4275</td>
<td>Managing the Employee Experience in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4442</td>
<td>Vacation Ownership Resort Reservations/ Data Base Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4275</td>
<td>Vacation Ownership Resort Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4522</td>
<td>Vacation Ownership Resort Sales Tactics and Strategies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4442</td>
<td>Vacation Ownership Resort Reservations/ Data Base Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit &amp; Trade Show Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4758</td>
<td>Contemporary Issues in the Theme Park and Attraction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in Theme Parks and Attractions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4442</td>
<td>Vacation Ownership Resort Reservations/ Data Base Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>Hotel Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3515</td>
<td>Reservations Sales &amp; Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4442</td>
<td>Vacation Ownership Resort Reservations/ Data Base Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4453</td>
<td>Food, Beverage and Labor Cost Controls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4413</td>
<td>Technology Applications for Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3313</td>
<td>Hospitality Physical Plant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>Hotel Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3515</td>
<td>Reservations Sales &amp; Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4442</td>
<td>Vacation Ownership Resort Reservations/ Data Base Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4453</td>
<td>Food, Beverage and Labor Cost Controls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4432</td>
<td>Hospitality Industry Auditing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4413</td>
<td>Technology Applications for Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3313</td>
<td>Hospitality Physical Plant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hotel Development Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4253</td>
<td>Hotel Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3515</td>
<td>Reservations Sales &amp; Marketing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
HUMANITIES (B.A.)
College of Arts and Sciences
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
   B. Cultural and Historical Foundations
   C. Mathematical Foundations
   D. Social Foundations
   E. Science Foundations

2. Core requirements
   (6 hrs)
   HUM 2211 Humanistic Traditions I
   HUM 2230 Humanistic Traditions II
   HUM 2022 Encountering the Humanities
   HUM 4933 Humanities Senior Research Seminar

3. 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:
      Foundations
      (9 hrs)
      HUM 4301 The Classical Ideal
      Select two courses
      HUM 3421 Ancient Humanities
      HUM 3435 Medieval Humanities
      HUM 3255 Modern Humanities
   2. Western Traditions and Applications
      (9 hrs)
      ARH 4310 Italian Renaissance Art
      ARH 4170 Greek and Roman Art
      HUM 3552 Christian Thought
      HUM 3553 Moses, Jesus, & Mohammed
      CLA 3850 Classical Mythology
      CLA 3851 Comparative Mythology
      JST 3401 The Jewish People I
      REL 3432 Roots of Western Mysticism
   3. World Intellectual Traditions:
      (6 hrs)
      ANT 3245 Native American Religions
      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

B. Multi-Cultural Humanities

---

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.

---

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)

Unrestricted Electives (6-14 hrs)
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 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.

FOUR YEAR PLAN OF STUDY FOR HOSPITALITY MANAGEMENT*
*Plan your required nine summer credit hours into your course of study.

Freshman
Fall ENC 1101 3 Cult-Hist I 3 CGS 2100C or STA 2023 3
HFT 1001 3 Hospitality Elective 3
Spring ENC 1102 3 Cult-Hist II 3 SPC 1600 3
Cult-Hist I 3 Cult-Hist II 3
Fall Freshman
Spring
Total Semester Hours Required 120 hours

Sophomore
Fall ECO 2013 or ECO 2023 3 Science Foundation I 3
HFT 3444 Hosp Info Sys 3 Sectoral Study Course 3
Unrestricted Elective 3
Spring ECO 2023 3 Cult/Hist Foundation 3
Science Foundation II 3 Science Foundation II 3
HFT 2220 Hosp Hum Res 3 FSS 2221C Quant Food Prep 3
Fall Sophomore
Spring
Total Semester Hours Required 120 hours

Junior
Fall HFT 3940 Practicum I 1 HFT 3942 Practicum II 1
HFT 3933 Dist Lect in Hosp 1 HFT 3933 Dist Lect in Hosp 1
Senior
Fall HFT 4462 Hospitality Finance 3 Hospitality Elective 3
HFT 4286 Hospitality Communications 3 Hospitality Elective 3
Unrestricted Electives 8 Hospitality Elective 3
Spring HFT 3933 Dist Lect in Hosp 1 Sectoral Study Course 3
HFT 3431 Hosp Mgr Acct 3 Sectoral Study Course 3
HFT 3600 Legal Environ 3 Sectoral Study Course 3
HFT 3540 Guest Svcs Mgmt 3 Sectoral Study Course 3
Fall Junior
Spring
Total Semester Hours Required 120 hours

UCF Degree Programs
### 1. Foundations (9 hrs)
- HUM 3230 Contemporary Multicultural Studies 3 hrs
- Select one:
  - HUM 3431 Ancient Humanities 3 hrs
  - HUM 3435 Medieval Humanities 3 hrs
- Select one:
  - HUM 3251 Contemporary Humanities 3 hrs
  - HUM 3255 Modern Humanities 3 hrs

### 2. Traditions and Applications (15 hrs)
- ANT 3111 Indians of the Southeastern US 3 hrs
- ARH 3520 African Art 3 hrs
- HUM 3401 Asian Humanities 3 hrs
- HUM 3417 Hindu Thought and Culture 3 hrs
- HUM 3419 Islamic Thought and Culture 3 hrs
- HUM 3553 Moses Jesus and Mohammed 3 hrs
- HUM 34XX Latin American Humanities 3 hrs
- JST 3401 The Jewish People I 3 hrs
- PHH 3700 American Philosophy 3 hrs
- PHM 3123 Feminist Theory 3 hrs
- REL 3162: Healing, Culture, Art, and Praxis 3 hrs

### C. Critical Humanities (9 hrs)
- HUM 3255 Modern Humanities 3 hrs
- HUM 3251 Contemporary Humanities 3 hrs
- PHI 4804 Critical Theory 3 hrs

### 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:
- HUM 4330 Performance Theory 3 hrs
- HUM 4554 Religious Quest and the Human Dilemma 3 hrs
- HUM 3930 Representations of Place and Space 3 hrs
- PHH 3510 Marx and Nietzsche 3 hrs
- PHH 3600 Contemporary Philosophy 3 hrs
- PHH 3638 Ethical Issues in the 21st Century 3 hrs
- PHI 4321 Philosophy of Embodiment: Mind/Body/Self 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment 3 hrs
- PHI 3022 Sexuality, Gender, and Philosophy 3 hrs
- PHI 3803 Philosophy and Creativity 3 hrs

### 6. Honors in the Major
Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

### Core and Elective Requirements (30 hrs)
Same requirements as for regular majors

### 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
- 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

### 7. Departmental Exit Requirements
- Earn a "C" (2.0) or better in each required course
- Computer Competency met by HUM 4970H, HUM 4906, 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: Humanities - Religious Studies Track, Philosophy
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:
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 2211 Human Tradition I 3
- MGF 1106* req# 1C1-GEP 3

**Spring**
- ENC 1102 Composition II 3
- HUM 2230 Human Tradition II 3
- STA 1060C* req# 1C2-GEP 3

### Sophomore Year
**Fall**
- ANT 2511* req# 1E2-GEP 3
- COM 1000* req# 1A1-GEP 3
- PSY 2012* req# 1D2-GEP 3
- HUM 2431* req# 4A1-ClassHu 3

**Spring**
- ANT 2511* req# 1E2-GEP 3
- COM 1000* req# 1A1-GEP 3
- PSY 2012* req# 1D2-GEP 3
- HUM 2431* req# 4A1-ClassHu 3

### Junior Year
**Fall**
- ARH 4310* req# 4A2-ClassHu 3
- CLA 3851* req# 4A2-ClassHu 3
- JST 3401* req# 4A2-ClassHu 3

**Spring**
- CLA 3851* req# 4A2-ClassHu 3
- JST 3401* req# 4A2-ClassHu 3
- REL 4301 The Class Ideal 3

### Senior Year
**Fall**
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3

**Spring**
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3

---

UCF Degree Programs

2005-2006 Undergraduate Catalog
HUMANITIES—PHILOSOPHY, RELIGION & POPULAR CULTURE TRACK (B.A.)

College of Arts and Sciences
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)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations
      Select HUM 2211 Humanistic Traditions I 3 hrs
      Select HUM 2230 Humanistic Traditions II 3 hrs
      Select HUM 2280 World Religions or PHI 2010 Intro to Phil 3 hrs
   C. Mathematical Foundations
      Select MGF 1106 Finite Mathematics (May substitute a higher level math) 6 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites
   None

3. Core requirements (18 hrs)
   a. Core
      HUM 2211 Humanistic Traditions I GEP
      HUM 2230 Humanistic Traditions II GEP
      PHI 2010 Intro to Philosophy GEP
   b. Theoretical Foundations
      PHI 3694 Ways of Living
      PHI 4331 Ways of Knowing
   c. Philosophy
      Select two courses:
      PHI 2101 Critical Thinking
      PHI 3670 Ethical Theory
      PHI 3700 Philosophy of Religion
      PHI 3800 Aesthetics
      PHI 3100 Freedom and Justice
      PHI 3720 Faith and Reason
      PHI 3786 Existentialism
      PHI 4804 Critical Theory
      PHI 4330 Theories of Knowledge
   d. Religion
      Select two courses:
      CLA 3851 Comparative Mythology
      HUM 3552 Christian Thought
      HUM 3553 Moses, Jesus, and Mohammed
      HUM 3417 Hindu Thought and Culture
      HUM 3419 Islamic Thought and Culture
      HUM 4303 The Spiritual Ideal
      HUM 4554 Religious Quest and the Human Dilemma
      PHI 3750 The Problem of Evil

4. Popular Culture Studies (12 hours)
   a. Contemporary Media
      Select two courses:
      HUM 3230 Contemporary Multicultural Studies
      HUM 4516 Religion and the Arts
      HUM 4330 Performance Theory
      PHI 3625 Virtual Ethics
      PHI 4931 Philosophy in the News
      POS 3236 Mass Media and Politics
      POS 3258 Politics in Film
      REL 3111 Religion, Spirituality and Popular Music

   b. Contemporary Forms of Life (6 hrs)
      Select two courses:
      AN 3302 Sex, Gender and Culture
      HUM 3521 Contemporary Humanities
      PHI 3022 Sex, Gender and Philosophy
      PHI 3000 Family Values
      PHI 3033 Philosophy, Religion and the Environment
      PHI 3401 Philosophy of Law
      PHI 3638 Ethical Issues in the 21st Century
      PHI 3683 Philosophy of Friendship
      PHI 3XXX Philosophy of Love
      PHI 3123 Feminist Theories
      PHI 4321 Philosophies of Embodiment: Mind/Body/Self
      REL 3121 Religion in America
      REL 3162 Healing: Culture, Art, and Praxis

5. Capstone Course (3 hrs)
   HUM 4933 Senior Research Seminar

6. Honors in the Major (Optional)
   Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:
   a. Core Requirements, Popular Culture and Capstone (33 hrs)
      Same requirements as for regular majors
   b. Honors Thesis (6 hrs)
      HUM 4903H Honors Directed Readings 3 hrs
      HUM 4970H Honors Thesis 3 hrs
   c. Additional Requirements of Honors in the Major
      • Application and admission through the Humanities Honors Coordinator
      • Fulfill University requirements for Honors in the Major
      • 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

7. Departmental Exit Requirement
   - Departmental Exit Exam in final semester.
   - Earn a “C” (2.0) or better in each required course
   - Computer Competency met by HUM 4970H, HUM 4906, or STA 1060C.
   - To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

8. Foreign Language Requirements (0-8 hrs)
   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.
   Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

9. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

10. University Minimum Exit Requirements
   - 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in 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: Humanities, Humanities - Religious Studies
Track, Philosophy
Related Minors: Humanities, Philosophy, Religious Studies

Transfer Notes:
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
1. UCF General Education Program (36 hrs)

A. Communication Foundations
   - 9 hrs

B. Cultural and Historical Foundations
   - Select HUM 2211 Humanistic Tradition I or HUM 2230 Humanistic Tradition II
   - 3 hrs
   - Select REL 2300 World Religions
   - 3 hrs

C. Mathematical Foundations
   - 6 hrs
   - Select MGF 1106 Finite Mathematics

D. Social Foundations
   - 6 hrs

E. Science Foundations
   - 6 hrs

2. Common Program Prerequisites
   - none

3. Core requirements (24 hrs)

a. Core
   - HUM 2211 Humanistic Tradition I or HUM 2230 Humanistic Tradition II
   - 6 hrs
   - REL 3180 World Religions
   - 3 hrs

b. Foundations in the Study of Religion and the Humanities
   - Select three courses, at least two must be from (1)
   - (1) Religion
     - PHI 3700 Philosophy of Religion
     - POT 4632 Religion and Politics
     - SYO 4200 Sociology of Religion
     - REL 3131 Religion in America
     - ANT 3241 Magic, Ritual, and Belief
   - (2) Humanities and Classics
     - HUM 3431 Ancient Humanities
     - HUM 3435 Medieval Humanities
     - HUM 3255 Modern Humanities
     - HUM 3251 Contemporary Humanities
     - CLA 3850 Classical Mythology
     - CLA 3851 Comparative Mythology
   - (3) Traditions: Religion in a Global World
     - Select three courses:
     - HUM 3401 Asian Humanities
     - HUM 3417 Hindu Thought and Culture
     - HUM 3419 Islamic Thought and Culture
     - HUM 3552 Christian Thought
     - HUM 3553 Mosques, Jesus, and Mohammed
     - JST 3401 The Jewish People I
     - JST 3402 The Jewish People II
     - ANT 3245 Native American Religions
   - (4) Applications: Topics and Issues in the Study of Religion
     - Select two courses:
     - REL 3162 Healing: Culture, Art, and Praxis
     - HUM 4564 Religious Quest and the Human Dilemma
     - HUM 4303 The Spiritual Ideal
     - PHI 3033 Philosophy, Religion, and the Environment
     - REL 3115 Religion, Spirituality, and Popular Music
     - REL 3111 Religion and Philosophy Through Film
     - REL 3432 Roots of Western Mysticism
   - (5) Upper division Restricted Electives
     - Select three courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements)

3. Honors in the Major (3 hrs)
   - HUM 4900H Honors Thesis

4. Departmental Exit Requirements (3 hrs)
   - HUM 4970H: Honors Thesis (3 hrs) or REL 4190 Senior Research Seminar

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. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

6. Electives (variable)
   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside the department.

9. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs

Related Programs: Philosophy, Humanities, Liberal Studies
Related Minors: Philosophy, Humanities, Judaic Studies, Religious Studies
**Transfer Notes:**
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**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.

### 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. Take ENC 1101
  - 2. Take ENC 1102

### 2. Common Program Prerequisites (CPP’s) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in section 2. marked with an asterisk (*). **Note:** MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

#### 1. Common Program Prerequisites 3 (19 hrs)

**Fall**
- ENC 1101 Composition I 3
- HUM 2211 Hum Tradition I 3
- MGF 1106* req# 1C1-GEP 3
- REL 2300 World Religions 3
- SPN 1120* req# Lang/Elect 4

**Spring**
- ENC 1102 Composition II 3
- HUM 2230 Hum Tradition II 3
- STA 1060C* req# 1C2-GEP 3
- REL 3131* req# 3b-Foundn 3
- SPN 1121* req# Lang/Elect 4

**Sophomore Year**

**Fall**
- ANT 2511* req# 1E2-GEP 3
- COM 1000* req# 1A3-GEP 3
- PSY 2012* req# 1D2-GEP 3
- HUM 3431* req# 3b-Foundn 3
- JST 3401* req# 3c-Tradtns 3

**Spring**
- POS 2041* req# 1D1-GEP 3
- EGN 1111C Engineering Computer Graphics 2
- EGN 1006C Intro to the Engineering Profession 1
- EGN 1101 Composition I 3
- ENC 1102 Composition II 3

**Junior Year**

**Fall**
- PHI 3700* req# 3b-Foundn 3
- PHI 3033* req# 3d-Appl 3
- PHI 4341* req# 4-ResElect 3

**Spring**
- HUM 4554* req# 3d-Appl 3
- EGN 3211 Engineering Analysis & Computation 3
- EGN 3321 Engineering Analysis - Dynamics 3
- EGN 3304 Introduction to IE & MS 2

**Senior Year**

**Fall**
- ANT 3245* req# 3c-Tradtns 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3
- Elective* Check restrictions 3

**Spring**
- PHI 4910 Seminar 3
- EGN 3365 Structure & Properties of Materials 3
- EGN 3373 Principles of Electrical Engineering 3
- EIN 4333C Industrial Control Systems 3
- EIN 4245C Human Engineering 3
- EIN 4243C Human Engineering 3

**INDUSTRIAL ENGINEERING (B.S.I.E.)**

**College of Engineering and Computer Science**

**Industrial Engineering & Management Systems (IEMS)**

**Department**

**ENG2 312, 407-823-2204, Fax: 407-823-3413**

http://www.iems.ucf.edu/

Sandy Furterer, E-Mail: furterer@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; see also the section, Orientation, found elsewhere in this catalog.

**Degree Requirements**

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

**1. UCF General Education Program for Engineering Students**

The UCF General Education Program (GEP) is described in the 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. Take ENC 1101
  - 2. Take ENC 1102

- **B. Cultural and Historical Foundations**
  - 7 hrs
  - 1. Take MAC 2311, Calculus with Analytic Geometry I, (4 hrs)
  - **Note:** College algebra and trigonometry are prerequisites for Calculus I. See the course descriptions.
  - 2. Take STA 3032 (3 hrs)

- **C. Mathematical Foundations**
  - 7 hrs
  - 1. Take MAC 2311, Calculus with Analytic Geometry I, (4 hrs)
  - **Note:** College algebra and trigonometry are prerequisites for Calculus I. See the course descriptions.
  - 2. Take STA 3032 (3 hrs)

- **D. Social Foundations**
  - 6 hrs
  - 1. Take ECO 2013 or ECO 2023
  - 2. Take ANT 2000, PSY 2012, or SYG 2003

- **E. Science Foundations**
  - 7 hrs
  - 1. Take PHY 2048/48L

**2. Common Program Prerequisites (CPP’s)**

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in section 2. marked with an asterisk (*). **Note:** MAC 2311 and PHY 2048/48L also satisfy UCF GEP sub-requirements, as do ENC 1101, ENC 1102, the Humanities courses, and the Social Science courses.

- **A. Communication Foundations**
  - 9 hrs
  - (CHM 2045C/45L will substitute)
  - 1. Take ENC 1101, Composition I 3
  - 2. Take ENC 1102, Composition II 3

- **B. Cultural and Historical Foundations**
  - 7 hrs
  - 1. Take MAC 2311, Calculus with Analytic Geometry I 4
  - 2. Take MAC 2312, Calculus with Analytic Geometry II 4
  - 3. Take MAC 2313, Calculus with Analytic Geometry III 4

- **C. Mathematical Foundations**
  - 7 hrs
  - 1. Take STA 3032 (3 hrs).

- **D. Social Foundations**
  - 6 hrs
  - 1. Take ECO 2013 or ECO 2023
  - 2. Take ANT 2000, PSY 2012, or SYG 2003

- **E. Science Foundations**
  - 7 hrs
  - 1. Take PHY 2048/48L

**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 courses for the major listed in 4. below and with the technical elective courses listed in 5. below. Independent study courses generally do not satisfy major requirements and normally are awarded grades of I, S, or U.

- **A. Communication Foundations**
  - 9 hrs
  - 1. Take ENC 1101, Composition I 3
  - 2. Take ENC 1102, Composition II 3

- **B. Cultural and Historical Foundations**
  - 7 hrs
  - 1. Take MAC 2311, Calculus with Analytic Geometry I 4
  - 2. Take MAC 2312, Calculus with Analytic Geometry II 4
  - 3. Take MAC 2313, Calculus with Analytic Geometry III 4

- **C. Mathematical Foundations**
  - 7 hrs
  - 1. Take STA 3032 (3 hrs).

- **D. Social Foundations**
  - 6 hrs
  - 1. Take ECO 2013 or ECO 2023
  - 2. Take ANT 2000, PSY 2012, or SYG 2003

- **E. Science Foundations**
  - 7 hrs
  - 1. Take PHY 2048/48L

**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.

- **A. Communication Foundations**
  - 9 hrs
  - 1. Take ENC 1101
  - 2. Take ENC 1102

**5. Approved Technical Electives**

Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.
UCF Degree Programs

6. Departmental Graduation Requirements (6 hrs)
   - EIN 4116C 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.
   - 46 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:** Mechanical Engineering.
**Related Minors:** none

**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.

**Industrial Engineering - 128 semester hours required**

**FIRST YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs ¹ ²</th>
<th>Spring</th>
<th>12 hrs ¹ ²</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CHS 1440 Fund of Chm/Engrs</td>
<td>4</td>
<td>*ENC 1102 English Comp II</td>
<td>3</td>
</tr>
<tr>
<td>*ENC 1101 English Comp I</td>
<td>3</td>
<td>*MAC 2312 Calc with Analy Geo II</td>
<td>4</td>
</tr>
<tr>
<td>*MAC 2311 Calc with Analytic Geol</td>
<td>4</td>
<td>EGN 1007C Eng Conc&amp;Meth</td>
<td>1</td>
</tr>
<tr>
<td>EGN 1006C Intro to Eng</td>
<td>1</td>
<td>*PHY 2049L Phys Engr/Sci I</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer</th>
<th>9 hours ¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3211 Eng Anal-Comp</td>
<td>3</td>
</tr>
<tr>
<td>*SOC 1016 Tech Presentations</td>
<td>3</td>
</tr>
<tr>
<td>*ECO 2013 Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>or ECO 2023 Microeconomics</td>
<td></td>
</tr>
</tbody>
</table>

**SECOND YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>13 hrs ¹ ²</th>
<th>Spring</th>
<th>12 hrs ¹ ²</th>
</tr>
</thead>
<tbody>
<tr>
<td>*PHY 2049L Phys Engr/Sci II</td>
<td>4</td>
<td>EGN 3321 Eng Anal-Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3310 Engr Anal-Statics</td>
<td>3</td>
<td>*MAP 2302 Diff Equations</td>
<td>3</td>
</tr>
<tr>
<td>EIN 3304 Intro to IE &amp; Mgt Sys</td>
<td>2</td>
<td>STA 3032 Prob &amp; State Engrs</td>
<td>2</td>
</tr>
<tr>
<td>*MAC 2313 Calc with Analytic Geo III</td>
<td>4</td>
<td>EGN 3373 Prob of Elec Eng</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer</th>
<th>10 hours ¹ ²</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3365 Strct &amp; Prop Mtls</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3613 Engrng Econ Anal</td>
<td>3</td>
</tr>
<tr>
<td>*Social Foundations</td>
<td>3</td>
</tr>
<tr>
<td>*EIN 1111C Cmprt Graphics</td>
<td>2</td>
</tr>
</tbody>
</table>

**THIRD YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>15 hrs ¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 3314C Work Meas &amp; Dsgn</td>
<td>3</td>
<td>EIN 4364C Indus Fcty Pln/Dsgn</td>
<td>3</td>
</tr>
<tr>
<td>EIN 4118C IE Computer Appl</td>
<td>3</td>
<td>ESI 4221 Empirical Mtdhs - IE</td>
<td>3</td>
</tr>
<tr>
<td>EIN 3354 Prcn of Cost Engnmng</td>
<td>3</td>
<td>ESI 4523C Systems Simulation</td>
<td>3</td>
</tr>
<tr>
<td>ESI 4312 Operations Research</td>
<td>3</td>
<td>EIN 4243C Human Engnrng</td>
<td>3</td>
</tr>
<tr>
<td>or ESI 4333C Industrial Cont Sys</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Summer**

<table>
<thead>
<tr>
<th>9 hours ¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 4624 Engineering Admin</td>
</tr>
<tr>
<td>EGN 3358 Therm-Flds-Hi Trans</td>
</tr>
<tr>
<td>or EGN 3343 Thermodynamics</td>
</tr>
<tr>
<td>*Cult &amp; Hist Foundations</td>
</tr>
</tbody>
</table>

**FOURTH YEAR**

<table>
<thead>
<tr>
<th>Fall</th>
<th>12 hrs</th>
<th>Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Science Foundation II</td>
<td>3</td>
<td>EIN 4901C IE Sr. Design Proj</td>
<td>3</td>
</tr>
<tr>
<td>EIN 4116C Sys Anal &amp; Dsgn</td>
<td>3</td>
<td>Technical Elective</td>
<td>3</td>
</tr>
<tr>
<td>ESI 4234 Quality Engineering</td>
<td>3</td>
<td>*Cultural &amp; History I</td>
<td>3</td>
</tr>
<tr>
<td>*Cult &amp; Hist Foundations</td>
<td>3</td>
<td>EIN 4391C Mfg. Engr</td>
<td>3</td>
</tr>
</tbody>
</table>

**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 academic advisor, be moved to the area 4. Approved Technical Electives.

**Integrated BS/MS Degree Program**

The IEMS department offers the Integrated BS/MS Program to students of high academic standing. This program allows up to nine graduate hours to be substituted for specified BSIE requirements. See advisor for appropriate substitutions.

**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 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)
   - Communication Foundations 9 hrs
   - Cultural and Historical Foundations 9 hrs
   - Mathematical Foundations 6 hrs
   - Science Foundations 6 hrs

2. **Engineering Technology Core Courses** (26 hrs)
   - ETE 3651C Computer Applications 3 hrs
   - CET 3010 Intro to Info Technology 3 hrs
   - STA 2023 Statistical Methods I 3 hrs
   - ETE 4448 Applied Proj Mgmt 3 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - EET 3085C Electricity & Electronics 4 hrs
   - CET 3323C Digital Technology 4 hrs
   - CET 2364 Systems Applications in C 3 hrs

3. **Lower Level Required Courses Taken at Community College** (33 hrs)

---

178  UNIVERSITY OF CENTRAL FLORIDA  2005-2006 Undergraduate Catalog
4. Required Technical Courses (21 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 4427</td>
<td>Applied Database I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 3385</td>
<td>Applied Systems Analysis I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4500</td>
<td>Applied Operating Systems I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 3752</td>
<td>Intro to Telephony</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4483</td>
<td>Intro to Local Area Network</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4333</td>
<td>Computer Organization &amp; Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4748</td>
<td>Wide Area Networks I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Technical Electives (12 hrs)

Choose four from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 3198C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4138C</td>
<td>Digital Programmable Devices</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4931</td>
<td>Current Topics in Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4749</td>
<td>Wide Area Network II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 3401</td>
<td>Problem Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4523</td>
<td>Applied Systems Analysis II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4429</td>
<td>Applied Database II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4583</td>
<td>Web Base Systems I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4584</td>
<td>Web Base Systems II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4663</td>
<td>Computer &amp; Networks Security</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 5937</td>
<td>Data Mining I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 hours

Related Programs: none

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 must 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.

**Senior Year**

**Fall**

- EET 3085C Elect & Electronics 4 hrs
- CET 3010 Intro to Info Tech 3 hrs
- CET 2364 Systems Apps in C 3 hrs
- CET 3323C Digital Tech 4 hrs
- CET 4483 Intro to Local Area Net 3 hrs

**Summer**

- CET 4333 Comp Org & Design 3 hrs
- ENC 3241 Tech Rept Writing 3 hrs
- ETL 4448 Applied Proj Mgmt 3 hrs

**Spring**

- CET 4505 Appl Oper Sys I 3 hrs
- CET 4427 Appl Database I 3 hrs
- CET 3752 Intro to Telephony 3 hrs
- CET 4748 Wide Area Networks I 3 hrs

**Junior Year**

**Fall**

- EET 3085C Elect & Electronics 4 hrs
- CET 3010 Intro to Info Tech 3 hrs
- CET 2364 Systems Apps in C 3 hrs
- CET 3323C Digital Tech 4 hrs
- CET 4483 Intro to Local Area Net 3 hrs

**Spring**

- CET 4505 Appl Oper Sys I 3 hrs
- CET 4427 Appl Database I 3 hrs
- CET 3752 Intro to Telephony 3 hrs
- CET 4748 Wide Area Networks I 3 hrs

**Information Technology (B.S.)**

**College of Engineering and Computer Science**

**School of Computer Science**

**CSB 201**

E-mail: it@cs.ucf.edu

http://www.cs.ucf.edu/

179

**Departmental Exit Requirements**

- Students must earn at least a “C” (2.0) in each course in 2-5.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.

**1. UCF General Education Program (37 hrs)**

- A: Communication Foundations
  - Select ENC 1101, ENC 1102
  - Prefer SPC 1016
- B: Cultural and Historical Foundations
  - 9 hrs
- C: Mathematical Foundations
  - Select MAC 2147 Math for Calculus
  - Select STA 2023, Statistical Methods I
- D: Social Foundations
  - Select ECO 2013 Microeconomics or ECO 2023 Microeconomics
  - Select PSY 2012 General Psychology
- E: Science Foundations
  - Select PHY 2053C College Physics I
  - Select one additional science

**2. Common Program Prerequisites (3 hrs)**

- MAC 2147 Math for Calculus
- STA 2023 Statistical Methods I
- ECO 2013 Microeconomics
- PSY 2012 General Psychology
- PHY 2053C College Physics I
- PHI 3026 Ethics in Science and Technology

**3. Core Requirements (24 hrs)**

- COP 3323 C Programming Language
- COP 3502C Computer Science I
- COP 3503C Computer Science II
- COP 3330 Object Oriented Programming
- MAD 2104 Foundations of Discrete Mathematics
- EEL 3041 Circuit Analysis
- EEL 3520 Information Theory
- CGS 3269 Computer Architecture Concepts
- CGS 2545C Database Concepts
- EEL 4882 Eng. Sys. SW (Operating Systems)
- COP 4610L OS Laboratory
- CET 4325 Computer Network Concepts
- CET 4325 Intro to Local Area Network Tech.
- CDA 4505C Network Laboratory
- COP 4910 Frontiers of Information Technology

A minimum grade of “C” (2.0) must be made on each of the required core courses. A three credit internship approved by the Information Technology Program Coordinator can substitute for the Frontiers in Information Technology (COP 4910) requirement.
## UCF Degree Programs

### 4. Support Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3241</td>
<td>Technical Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3930</td>
<td>Creative Writing (section for IT majors)</td>
<td>3</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

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 by completion of major

### 7. Free Electives

17 hours

### 8. University Minimum Exit Requirements

- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

### UCF Degree Programs

#### College of Arts and Sciences

**Nicholson School of Communication**, COM 258

407-823-2852

[http://www.cas.ucf.edu/communication](http://www.cas.ucf.edu/communication)

**E-mail:** communication@ucf.edu

**K. Phillip Taylor**

**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 can be used in this major
- Students should consult with a departmental advisor
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Communication
- Students selecting both a major and minor in the School must take the minor courses in excess of the 120 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

**Total Semester Hours Required**: 120 hours

#### 3. Core Requirements (24 hrs)

- STA 2014C Principles of Statistics GEP
- STA 2023 Mathematical Statistics I 3 hrs
- STA 2501C Statistical Analysis I 3 hrs
- STA 2506C Statistical Analysis II 3 hrs
- STA 3024C Statistical Analysis III 3 hrs
- STA 3025C Statistical Analysis IV 3 hrs

### 4. Restricted Electives (9 hrs)

- Select STA 2014 Principles of Statistics 3 hrs
- (may substitute a higher level math)
- Select MGF 1106 Finite Mathematics 3 hrs
- (may substitute a higher level math)
- Select STA 2014 Principles of Statistics 3 hrs
- Select STA 2023 Mathematical Statistics I 3 hrs

### 5. External Restricted Electives

A minimum of nine upper division credit hours selected from Social Science courses in Anthropology, Criminal Justice, Legal Studies, Political Science, Psychology, Public Administration, and Sociology.

### 6. School Exit Requirements

- Achieve a “C” (2.0) or better GPA in required UCF Communication courses
- To avoid delaying graduation, you must request a review of requirements before registering for your last term
- Computer Competency met by a Computer Science course or by departmental assessment

### 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 Language and Literature

### Degrees Offered

- **INTERPERSONAL COMMUNICATION (B.A.)**
- **Management Communication**
- **Public Communication**
- **Public Relations**
- **Rhetoric and Persuasion**
- **Speech Communication**
- **Strategic Communication**
- **Voice acting**

### Related Minors

- **Business Communication**
- **Sports Communication**
- **Technical Communication**

### 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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>ENC 1101 English Comp I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPC 1600 Oral Communications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 2147 Math for Calculus</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>COP 3223 C Programming</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours Required</strong></td>
<td>12</td>
</tr>
</tbody>
</table>

#### SECOND YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>COP 3330 Intro to O/JJava</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LIT 2110 World Literature I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHY 2053C College Physics I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>EUH 2000 Western Civil I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours Required</strong></td>
<td>16</td>
</tr>
</tbody>
</table>

#### THIRD YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>EEL 4882 Eng Sys S/W</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEL 3041 Circuit Analysis</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 3241 Tech Rept Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 4483 Intro to LAN Tech or CET 3086</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours Required</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

#### FOURTH YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>EEL 3520 Information Theory</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CDA 4506C Network Laboratory</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Upper division elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours Required</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

### Support Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3241</td>
<td>Technical Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3930</td>
<td>Creative Writing (section for IT majors)</td>
<td>3</td>
</tr>
</tbody>
</table>

### 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.

### School Exit Requirements

- Complete an exit interview with an assigned faculty advisor
- Computer competency by completion of major

### Free Electives

(17 hrs)

17 hours

### University Minimum Exit Requirements

- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer 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

### 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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>ENC 1101 English Comp I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPC 1600 Oral Communications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 2147 Math for Calculus</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>COP 3223 C Programming</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours Required</strong></td>
<td>12</td>
</tr>
</tbody>
</table>

### SECOND YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>COP 3330 Intro to O/JJava</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LIT 2110 World Literature I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHY 2053C College Physics I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>EUH 2000 Western Civil I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours Required</strong></td>
<td>16</td>
</tr>
</tbody>
</table>

### THIRD YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>EEL 4882 Eng Sys S/W</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEL 3041 Circuit Analysis</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 3241 Tech Rept Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CET 4483 Intro to LAN Tech or CET 3086</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours Required</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

### FOURTH YEAR

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>EEL 3520 Information Theory</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CDA 4506C Network Laboratory</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Upper division elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours Required</strong></td>
<td>15</td>
</tr>
</tbody>
</table>
# UCF Degree Programs

## JOURNALISM (B.A.)

**College of Arts and Sciences**  
Nicholson School of Communication,  
COM 244, 407-823-2839,  
[http://www.cas.ucf.edu/communication](http://www.cas.ucf.edu/communication)  
E-mail: journalism@ucf.edu  
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, 2005 for Spring 2006
  - February 1, 2006 for Summer 2006
  - July 1, 2005 for Fall 2006
- 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. The GPA cut-off for the previous acceptance cycle was 3.45.
- Admission is not strictly based on GPA.
- Meet a grammar proficiency standard. Students with an “A” in both ENC 1101 and ENC1102 have satisfied the requirement. All others must pass a grammar proficiency exam administered by UCF.
- Have acceptable keyboard skills and 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. In addition, majors may obtain an off-campus internship with a commercial weekly or daily newspaper or with a magazine. To enroll for credit, 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 two 3-credit internships. However, the internships must be with different employers, and students cannot exceed a total of seven credits of internship 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 School of Communication.
- All students are required to pay a fee for equipment insurance.
- Students electing both a major and minor in the School must take the minor courses in excess of the 120 hours required for graduation.
- Students enrolled in the major may not take more than 40 total credit hours from the Nicholson School of Communication.
- Students enrolled in the major must take at least 65 hours in the liberal arts and at least 80 hours outside the Nicholson School of Communication.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (36 hrs)

<table>
<thead>
<tr>
<th>Area</th>
<th>Minimum Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select ENC 1101 &amp; 1102 Composition</td>
<td></td>
</tr>
<tr>
<td>Select SPC 1600 Fund Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>(may substitute a higher level math)</td>
<td></td>
</tr>
<tr>
<td>Select CGS 1060C Intro to Computer Sci</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or ST 2014C Principles of Statistics</td>
<td></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>

## 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>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MGF 1106*</td>
<td>req# 1C1-GEP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>Check restrictions</td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>SPC 1600</td>
<td>Fund Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>ANT 2000*</td>
<td>req# 1D1-GEP</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BSC 1005*</td>
<td>req# 1E1-GEP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SPC 1600 Fund of Oral Com</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>Check restrictions</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>Check restrictions</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>ARH 2500*</td>
<td>req# 1B3-GEP</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MUL 2010*</td>
<td>req# 1B2-GEP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SPC 2041*</td>
<td>req# 1D1-GEP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSC 1121*</td>
<td>req# 1E1-GEP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>COM 3011C</td>
<td>Com Retln</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>COM 3311 Com Res Methods</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENC 3250 Prof Writing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>Check restrictions</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>Check restrictions</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>PUR 4100C</td>
<td>Public Retln Pub</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPC 4331 Nonverbal Com</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ANT 3212*</td>
<td>req# 5-Ext RE</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>COM 4461*</td>
<td>req# 4-ResElec</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>COM 4462*</td>
<td>req# 4-ResElec</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>POS 3424*</td>
<td>req# 5-Ext RE</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>Check restrictions</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total Semester Hours Required

120 hrs

## Related Programs:
- Organizational Communication
- Communication

## Transfer Notes:
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Languages and Literatures may be used to meet the language requirement.
- Students enrolled in the major must take at least 65 hours in the Nicholson School of Communication.
- Limited Access program
- Select primarily from upper level courses. May be outside of the School of Communication.

## Related Minors:
- Organizational Communication, Mass Communication
- Related Programs:
  - Organizational Communication, Mass Communication
  - Related Minors:
    - Organizational Communication
    - Related Programs:
      - Organizational Communication
LEGAL STUDIES (B.A., B.S.)
College of Health and Public Affairs
HPA 311, 407-823-2603
http://www.cohpa.ucf.edu/crim.jus/
Undergraduate Program Director and Pre-Law Advisor: David Slaughter
E-mail: dslaughter@mail.ucf.edu

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida 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
      (SPC 1600 preferred) 9 hrs
   B. Cultural Historical Foundations
      9 hrs
   C. Mathematical Foundations
      6 hrs
   D. Mathematical Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites
   - none

3. Core Requirements
   (18 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 4935 Caspstone: Legal Issues* 3 hrs
   NOTE: Courses marked with asterisk (*) must be completed with a minimum grade of "C" (2.0)

4. Upper Division Restricted Electives
   (24 hrs)
   24 additional hours of Legal Studies coursework selected in consultation with an advisor

5. Supporting Courses
   (9-15 hrs)
   Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student’s advisor.

6. Specializations
   Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
   - Law and Society
   - Litigation and Advocacy
   - Public Law
   - Sports and Entertainment Law
   - Criminal Law and Individual Liberties
   - Estates and Property Law
   - Comparative and International Law
   - Commercial and Transactional Law

   A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student's advisor.

7. Departmental Exit Requirements
   (120 hrs)
   Students must take a minimum of 33 hours of PLA courses at UCF.
The total semester hours required is 120.

8. Electives (variable)

The following electives must be completed with a minimum grade of “C” (2.0): PLA 4020, PLA 4240, PLA 4910

9. Foreign Language Requirements (0-8 hrs)

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

10. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in 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: 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 law-related Division courses.

Tentative Course Schedule for Entering Freshmen

Freshman Year*

Fall 14 hrs
ENC 1101 3
PSY 2012 or SYG 2000 3
MGT 1106 3
BSC 1005 or MCB 1310 3
For. Lang. I or B.S. option 3/4
PAF 2102 2

Spring 15/16 hrs
Enc 1102 3
CIS 1060C 3
ECO 2013 or POS 2041 3
or ECO 2023 3
For. Lang. I or B.S. option 3/4

Sophomore Year

Fall 15/16 hrs
ANT 2511 or GLY 1030 3
or GEO 1200 3
SPC 1000 3
EUH 2000 or HUM 2211 or AMH 2210 3
For. Lang. II or B.S. option 3/4
Elective 3

Spring 15 hrs
PSC 1111 or CHM 1020 3
or PLA 3013 3
One Course: ARH 2050 3
ARH 2051, MUL 2010, THE 1020, REL 2300, PHI 2010, LIT 2110, LIT 2120 3
EUH 2001 or HUM 2230 3
or AMH 2020 3
Elective 3

Junior Year

Fall 15 hrs
PLA 3104 3
PLA 3201 3
PLA Elective 3
PLA Elective 3
Supporting Elective 3

Spring 15 hrs
PLA 3115 3
PLA Elective 3
PLA Elective 3
Supporting Elective 3

Senior Year

Fall 15 hrs
PLA Elective 3
Internship or PLA Elective 3
Supporting Elective 3
Elective/Minor 3
Elective/Minor 3

Spring 15 hrs
PLA 4935 3
Internship or PLA Elective 3
PLA Elective 3
Elective/Minor 3
Elective 3

LIBERAL STUDIES (B.A., B.S.)

College of Arts and Sciences

Liberal Studies Program, CNH 201
http://wwwcas.ucf.edu/liberal_studies
E-mail: ls@mail.ucf.edu

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 and Interdisciplinary Studies in the College of Arts and Sciences 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 distributed learning. For more information, see http://distrib.ucf.edu/home.

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 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
- 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 sub-
-ject 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
D. Social Foundations
E. Science Foundations

2. Common Program Prerequisites (variable)

3. Restricted Electives (36 hrs)

- 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
UCF Degree Programs

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
Biological Sciences

Commerce
Communication
Computer Science
Education
Engineering
Health
Humanities
Languages
Letters
Mathematical Sciences
Physical Sciences
Public Affairs

4. Required Minor \((18\text{ hrs minimum})\)

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 each of the subject areas.
- Computer Competency met by CGS 1060C, STA 1060C, or other computer-related courses, or departmental assessment.

6. Foreign Language Requirements \((0-8\text{ hrs})\)

Admission-BA: Met by graduation requirement
Admission-BS: Proficiency equivalent to one year of 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.
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 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 \(120\text{ hrs}\)

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.)

College of Arts and Sciences
Liberal Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies
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 College of Arts and Sciences 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 \((36\text{ hrs})\)

A. Communication Foundations \(9\text{ hrs}\)
B. Cultural and Historical Foundations \(9\text{ hrs}\)
C. Mathematical Foundations \(6\text{ hrs}\)
D. Social Foundations \(6\text{ hrs}\)
E. Science Foundations \(6\text{ hrs}\)

2. Common Program Prerequisites \(none\)

3. Required Computer Science Minors \((36\text{ hrs})\)

- 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 \((18\text{ hrs})\)

- 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
- Biological Sciences
- Commerce
- Communication
- Education
- Engineering
- Health
- Humanities
- Languages
- Letters
- Mathematical Sciences
- Physical 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

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.)

College of Arts and Sciences
Liberal Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies
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 areas. Non-approved independent studies will not be counted towards the major.
- Co op credit cannot be used in this major.
- Students must earn at least a “C” (2.0) in each required course in the core and subject areas.
- Students 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.
- 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)

(Note: The italicized courses fulfill both the program requirements and the GEP. These required selections may raise the total GEP hours.)

A. Communication Foundations
   - 9 hrs
   - A. Communication Foundations
   - 9 hrs
   - B. Cultural and Historical Foundations
   - 6 hrs
   - C. Mathematical Foundations
   - 6 hrs
   - Select MAC 2311 Calculus or MAC 2233
   - (PR: MAC 1105 and MAC 1141 or equivalent)
   - Select STA 2023 Statistical Methods I
   - 6 hrs
   - D. Social Foundations
   - 6 hrs
   - E. Science Foundations
   - 6 hrs
   - Select BSC 2010C Biology I
   - Select CHM 2045C Chemistry Fundamentals
   - (PR: High school chemistry or CHM 1032)
   - 6 hrs

2. Common Program Prerequisites (23 hrs)

Note: PHY 2053C College Physics I (PR: MAC 1105 and 1114 or equivalent) is required to complete the Environmental Sciences: Sciences concentration.

A. Physical/Mathematical Sciences
   - 4 hrs
   - A. Physical/Mathematical Sciences
   - 4 hrs
   - B. LifeSciences
   - 4 hrs
   - Biological Sciences
   - 4 hrs
   - B. LifeSciences
   - 4 hrs
   - PCB 3044
   - Principles of Ecology & Lab
   - 4 hrs
   & 3044L
   - (PR: BSC 2010C and BSC 2011C)
   - 4 hrs
   - PCB 3044
   - Principles of Ecology & Lab
   - 4 hrs
   & 3044L
   - (PR: BSC 2010C and BSC 2011C)
   - 4 hrs

C. Social Science & Humanities
   - 3 hrs
   - C. Social Science & Humanities
   - 3 hrs
   - PHI 3640
   - Environmental Ethics
   - 3 hrs
   - SYD 4510
   - Environmental Sociology
   - 3 hrs

4. Subject Area: Environmental Studies Fundamentals (15 hrs)

- IDS 3150
- Foundations of Environmental Studies
- 3 hrs
- ECO 4302
- Economics and the Environment
- 3 hrs
- GEO 3151C
- GIS for Environmental Studies
- 3 hrs
- or equivalent
- PUB 3003
- Environmental Politics
- 3 hrs
- IDS 4156
- Solving Environmental Problems or alternative course
- 3 hrs
5. Subject Areas: Restricted Electives (18 hrs)

Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.

Select 18 hours in one concentration

Sciences Concentration
Note: This subject area is available only to Liberal Studies - Environmental Studies track majors.

- BCH 4053: Biochemistry I (PR: CHM 2210 & 2211)
- BCH 4054: Biochemistry II (PR: BCH 4053)
- BOT 315C: Local Flora
- BOT 4156C: Florida Wildflowers
- BOT 4303C: Plant Kingdom
- BOT 4686C: Conservation Management of Native Plants
- BOT 4713C: Plant Taxonomy
- BOT 5623C: Plant Geography and Ecology
- BSC 4312C: Marine Biology
- CHM 3120C: Analytical Chemistry
- CHS 4615: Environmental Chemistry
- EES 3004: Environmental Systems
- ENV 3001: Introduction to Environmental Engineering (PR: CHM 2045 & MAC 2312)
- MCB 3020C: General Microbiology
- MCB 4603: Environmental Microbiology (PR: MCB 3020C)
- PCB 3023: Molecular Cellular Biology
- PCB 3063: Genetics
- PCB 3314: Marine Biodiversity
- PCB 3442: Florida Aquatic Ecology
- PCB 4302C: Physiochemical Limnology
- PCB 4303C: Biological Limnology
- PCB 4868: Population Biology & Evolution (PR: PCB 3063)
- PCB 4723: Animal Physiology (PR: PCB 3023)
- PCB 5045C: Conservation Biology (PR: PCB 3063)
- PCB 5326C: Ecosystems of Florida
- ZOO 5815: Zoogeography (PR: 8 hours of ZOO)

Prerequisites listed are those which are not already included in the GEP or Section II: Core for Environmental Studies.

Values, Planning, & Policy Concentration
Note: This subject area is available only to Liberal Studies - Environmental Studies track majors.

- ANT 3541: Biobehavioral Anthropology
- BOT 3800: Ethnobotany
- ECO 4302: Economics of the Environment (PR: 8 hours of ZOO)
- ECP 4603: Urban and Regional Economic Prob
- ECS 4013: Economic Development
- ENC 3211: Theory and Practice of Technical Writing*

*Note: Not more than 9 of the 18 credits required can be taken in the "Modes of Analysis and Communication" area, which is identified by asterisks.

6. Program Exit Requirements (0-8 hrs)
- A grade of “C” or above (2.0) is required for all courses taken in each of 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 (variable)
Select primarily from upper level courses, with advisor approval

9. University Minimum Exit Requirements
- A 2.0 UCF and overall GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Required Hours 120 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.)
College of Arts and Sciences
Liberal Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies
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 College of Arts and Sciences.

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 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 towards 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 1060C Intro to Computer Science
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. Common Program Prerequisites
None

3. Core Requirements (6 hrs)
Approved course in ethics 3 hrs
Approved course in critical thinking 3 hrs

4. Restricted Electives (42 hrs)
Complete a minor from those offered within UCF's College of Arts and Sciences 18 hrs
Complete an approved individualized minor, 24 hrs which must be developed with a Liberal Studies advisor

5. Program Exit Requirements (6 hrs)
IDS 49XX Directed Reading/Research 3 hrs
IDS 4970H Thesis 3 hrs

- Maintain a minimum GPA of 3.5 in all Liberal Arts Track courses
- Maintain a minimum GPA of 3.2 in all upper division courses
- Computer Competency met by IDS 4970H

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 residency at UCF
- A 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

LIBERAL STUDIES - NANOSCIENCE & NANO TECHNOLOGY TRACK (B.S.)

College of Arts and Sciences
Liberal Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies
E-mail: ls@mail.ucf.edu
Liberal Studies Advising Team, 407-823-0144

Liberal Studies Nanoscience & Nanotechnology track is a university-wide program leading to a Bachelor of Science in Liberal Studies. Nanoscience and Nanotechnology is the study of the structure and behavior of materials at the atomic or molecular level. Through an understanding of how to manipulate atoms and molecules, it is possible to create devices and machines with unique properties and diverse applications.

The program is administered through the Office of Liberal and Interdisciplinary Studies in the College of Arts and Sciences and is designed for academic flexibility. It recognizes that there are many combinations of courses that 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
- 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 (39 hrs)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
1. Select MGF 1106 Finite Mathematics
   (may substitute a higher level math)
2. Select 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
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

Subject Area #1 Nanoscience and Nanotechnology Area
EMA 3XXX Nanomaterials Process Engineering
UCF Degree Programs

EMA 3XXX Nanomaterials Characterization & Appl
PHZ 3422 Nanophysics
BSC 3424 Nanobiotechnology
OSE 3490 Nanophotonics
PHI 4690 Ethics & Societal Implications in Nanotechnology

Subject Area #2 (one of the following areas)
Biological Science
Computer Science
Engineering
Health
Mathematical Sciences
Physical Sciences

4. Required Minor) (18 hrs minimum)
The following suggestions are appropriate for many professional
schools. Consult a departmental advisor and be cognizant of the pro-
fessional school’s requirements.

Student must complete a minor from those offered below. The minor
must not overlap with the area chosen for Subject area #2. (The
area designation for each minor is listed in parentheses). The minor
degree audit must be approved by, and completion of the minor certi-
fied by, the department offering the minor.

- Aerospace Studies (Engineering)
- Applied Computer Science (Computer Science)
- Astronomy (Physical Sciences)
- Biology (Biological Sciences)
- Chemistry (Physical Sciences)
- Cognitive Science (Interdisciplinary)
- Computer Science (Computer Science)
- English-Technical Writing (Letters)
- Environmental Studies (Interdisciplinary)
- Health Science (Health)
- Mathematics (Mathematical Sciences)
- Molecular Biology & Microbiology (Biological Sciences)
- Physics (Physical Sciences)
- Psychology (Behavioral and Social Sciences)
- Space Studies (Engineering)
- Statistics (Mathematical Sciences)

5. Departmental Exit Requirements
- A grade of "C" or above (2.0) is required for each courses taken in
each of the subject areas
- Computer Competency met by completion of track area and
minor requirements.

6. Foreign Language Requirement (0-8 hrs)
Admission-BS: Two years high school, or one year college lan-
guage (or equivalent proficiency exam) prior to graduation.
Graduation-BS: One semester college language or equivalent profi-
ciency exam, or one course with a multicultural dimension

Note: Students entering without having met the admission require-
ments must do so in order to graduate.

7. Electives (variable)
Select primarily from upper level courses, with a Liberal Studies advi-
sor’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 res-
idency at UCF
- A 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, Environ-
mental Studies Track

Related Minors: Aerospace Studies, Applied Computer Science,
Astronomy, Biology, Chemistry, Computer Science, Environmental
Studies, Health Science, Mathematics, Molecular Biology and

Microbiology, 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.)

College of Arts and Sciences
Liberal Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies
E-mail: ls@mail.ucf.edu
Liberal Studies Advising Team, 407-823-0144

Women’s Studies Program
Liberal and Interdisciplinary Studies Office, CNH 201
http://www.cas.ucf.edu/womensstudies
E-mail: womenst@pegasus.cc.ucf.edu
Lisa Logan, 407-823-6502

Liberal Studies - Women’s Studies track is a broadly based interdis-
ciplinary curriculum which leads to the Bachelor of Arts degree in
Liberal Studies. The program is administered through the Office of
Liberal and Interdisciplinary Studies, and the Women’s Studies
Program in the College of Arts and Sciences.

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 per-
mission.
- 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.
- Co op credit cannot be used in this track.
- 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 degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2.
(Common Program Prerequisites) are usually completed in the
first 60 hours.
- Students wishing to earn 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 STA 1060C Statistics Using Excel or
- STA 2104C Principles of Statistics (may substitute a computer science or higher level statistics course)
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites
- none

3. Restricted Electives (36 hrs)
- Students must complete either the Womanist/Women of Color
subject area or the Women’s Studies Cognate subject area
- 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) (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3460</td>
<td>Womanist Studies</td>
</tr>
</tbody>
</table>

Select 15 hours from the following courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature</td>
</tr>
<tr>
<td>ANT 4308</td>
<td>Gender Issues in Latin America</td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China</td>
</tr>
<tr>
<td>AML 3682</td>
<td>Ethnic Literature in America</td>
</tr>
<tr>
<td>SYD 3751</td>
<td>North American Indian Women Today</td>
</tr>
</tbody>
</table>

Other courses approved by the Liberal Studies Advising Team

Second Study Area (or select Womanist/Women of Color Area) (18 hrs)

Select 18 hours from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature</td>
</tr>
<tr>
<td>AML 3682</td>
<td>Ethnic Literature in America</td>
</tr>
<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples of the World</td>
</tr>
<tr>
<td>CCJ 4463</td>
<td>Cultural Diversity in Criminal Justice</td>
</tr>
<tr>
<td>CCJ 4891</td>
<td>Domestic Violence and the Justice System</td>
</tr>
<tr>
<td>EUH 3342</td>
<td>Modern Europe and the First World War</td>
</tr>
<tr>
<td>EUH 5937*</td>
<td>Social Theory/History*</td>
</tr>
<tr>
<td>HSE 3593C</td>
<td>CHIV Disease: A Human Concern</td>
</tr>
<tr>
<td>LIT 5566*</td>
<td>Feminist Theory*</td>
</tr>
<tr>
<td>LIN 4643</td>
<td>Cross Cultural Communication</td>
</tr>
<tr>
<td>PEM 2405</td>
<td>Self-Defense for Women and Men</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
</tr>
<tr>
<td>PHI 3670</td>
<td>Ethical Theory</td>
</tr>
<tr>
<td>PHI 4300</td>
<td>Theories of Knowledge</td>
</tr>
<tr>
<td>PUP 3314</td>
<td>Minorities in Politics</td>
</tr>
<tr>
<td>SOP 2772</td>
<td>Sexual Behavior</td>
</tr>
<tr>
<td>SOP 3784</td>
<td>Psychology of Diversity</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>Race and Ethnic Minorities in the U.S.</td>
</tr>
<tr>
<td>SYO 4100</td>
<td>Family Trends</td>
</tr>
<tr>
<td>SYO 4200</td>
<td>Sociology of Religion</td>
</tr>
<tr>
<td>SYP 3630</td>
<td>Sociology of Popular Culture</td>
</tr>
<tr>
<td>SYP 3650</td>
<td>Sociology and Sport</td>
</tr>
<tr>
<td>SYP 4734</td>
<td>Minority Aging</td>
</tr>
<tr>
<td>THE 3230</td>
<td>Cultural Diversity Through Theater</td>
</tr>
</tbody>
</table>

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
Biological Sciences
Commerce
Communication
Computer Science
Education
Engineering
Health
Humanities
Languages
Letters
Mathematical Sciences
Physical Sciences
Public Affairs

4. Required Minor (18 hrs)

Students must complete the Women's Studies minor

5. Program Exit Requirements

- A grade of "C" or above (2.0) is required for each course taken in each of the subject areas
- Computer Competency is met by CGS 1060C, STA 1060C, or departmental assessment

6. Foreign Language Requirements (0-8 hrs)

Admission: Met by graduation requirement

Graduation: Proficiency equivalent to one year of college instruction in 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
- 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

Related Minors: Anthropology in Multicultural Studies

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

BA 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)

   A. Communication Foundations
      - Required: SPC 1600
   B. Cultural and Historical Foundations
      - Required: CGS 1060C
   C. Mathematical Foundations
      - Required: MAC 1105 College Algebra
   D. Social Foundations
      - Required: SPC 1600
   E. Science Foundation
      - Required: MAC 2106

2. Common Program Prerequisites

   Must be completed with a "C" (2.0) or better.
   - ACC 2011 Principles of Financial Accounting
   - ACG 2071 Principles of Managerial Accounting
   - ECO 2013 Microeconomics
   - ECO 2023 Microeconomics
   - ECO 3401 Quantitative Business Tools I
   - CGS 2100C Computer Fundamentals for Business
   - At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401. Students who have not completed both classes with a "C" (2.0) or better must take ECO 3401.
### UCF Degree Programs

#### 3. Required for All Business Majors

**Common Body of Knowledge**

- First Semester in the College of Business Administration:
  - GEB 3031: Essentials of Management
  - ISM 3011: Information Systems
  - MAR 3233: Marketing
- Last Semester:
  - MAN 4720: Strategic Management

**First or subsequent semesters depending on major:**

- First Semester in the College of Business Administration:
  - Common Body of Knowledge

**3. Required for All Business Majors (30 hrs)**

**UCF Degree Programs**

**Required Courses (15 hrs)**

**Human Resource Management Track (24 hrs)**

- Required Courses:
  - MAN 3001: Human Resource Management
  - MAN 4230: Administration of Organizations
  - MAN 4320: Personnel Management
  - MAN 4330: Compensation Administration
  - MAN 4350: Training and Development

**Elective Courses (choose among MAN courses and BUL 4540) (9 hrs)**

**General Management Track (24 hrs)**

- Required Courses:
  - ISM 3530: Quality & Productivity Management
  - MAN 4101: Organizational Theory & Behavior
  - MAN 4270: Business Ethics and Society

**Elective Courses (choose among MAN courses and BUL 4540) (9 hrs)**

**Management Track: Entrepreneurship (24 hrs)**

- Required Courses:
  - MAN 3301: Human Resources Management
  - MAN 4000: Business Plan Preparation
  - GEB 4111: New Venture Finance
  - FIN 3470: Small Business Finance
  - MAR 3641: Market Intelligence
  - MAR 3880: E-Marketing

**Elective Courses (choose among MAN courses and BUL 4540) (9 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.

**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, 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.

- 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.

### Four Year Plan of Study - All Management Majors

<table>
<thead>
<tr>
<th>Freshman 1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101*</td>
<td>3</td>
<td>ENC 1102*</td>
<td>3</td>
</tr>
<tr>
<td>Cult-Hist I*</td>
<td>3</td>
<td>Cult-Hist II*</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3</td>
<td>Art/Music/Lit</td>
<td>3</td>
</tr>
<tr>
<td><strong>Elective</strong></td>
<td>3</td>
<td><strong>Elective</strong></td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105*</td>
<td>3</td>
<td>CGS 2100C*</td>
<td>3</td>
</tr>
</tbody>
</table>

*Must complete nine hours in a summer semester*

---

### General Management Track

<table>
<thead>
<tr>
<th>Sophomore 1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2023*</td>
<td>3</td>
<td>ECO 2013*</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021*</td>
<td>3</td>
<td>ACG 2071*</td>
<td>3</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>3</td>
<td>SCIENCE</td>
<td>3</td>
</tr>
<tr>
<td>Psy/Soc/Ant</td>
<td>3</td>
<td><strong>Elective</strong></td>
<td>3</td>
</tr>
<tr>
<td>*<strong>Elective</strong></td>
<td>3</td>
<td>ECO 3401*</td>
<td>3</td>
</tr>
</tbody>
</table>

*Subject should choose major in one of the two areas of study below*

---

### General Management Track

<table>
<thead>
<tr>
<th>Junior 1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031</td>
<td>6</td>
<td>ISM 3011</td>
<td>3</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>3</td>
<td>MAR 3233</td>
<td>3</td>
</tr>
<tr>
<td>ISM 2530</td>
<td>3</td>
<td>ECO 3411</td>
<td>3</td>
</tr>
</tbody>
</table>

---
MAN 3025 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 **MAN Elective 3
***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 3301 6 BUL 3130 3
GEB 3356 3 MAN 3001 3
MAR 3023 3 ECO 3411 3
MAN 3025 3 FIN 3403 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 **MAN Elective 3
***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 3301 6 MAN 4002 3
GEB 3356 3 ECO 3411 3
MAR 3023 3 BUL 3130 3
MAN 3025 3 FIN 3403 3
ISM 3011 3
Senior
1st Term 15 hrs 2nd Term 15 hrs
GEB 3301/FIN 3470 3 MAN 4720 3
MAR 3641/3880 3 MAN 4XXX 3
MAN 3301 3 **MAN Elective 3
**MAN Elective 3 **MAN Elective 3
***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
   Required: SPC 1600
   9 hrs
   B. Cultural and Historical Foundations
   Select MAC 1105 College Algebra
   Select CGS 2100C Computer Fundamentals for Bus
   3 hrs
   3 hrs
   C. Mathematical Foundations
   Select ECO 2013 Macroeconomics
   Select ECO 2023 Microeconomics
   3 hrs
   3 hrs
   D. Social Foundations
   Select one: PSY 2012, SYG 2000, ANT 2000
   3 hrs
   3 hrs
   E. Science Foundation
   6 hrs

2. Common Program Prerequisites
   Must be completed with a 2.0 or better.
   ACG 2071 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)
   Common Body of Knowledge
   First Semester in the College of Business Administration:
   GEB 3031 Cornerstone 6 hrs
   GEB 3356 Introduction to International Business 3 hrs
   First or subsequent semesters depending on major:
   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 4101 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 major in Management Information Systems must apply for admission to the major 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.
   - Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - All courses required for the major (including electives) must be completed with a grade of "C" (2.0) or better in order to graduate.
   - All College of Business Administration students are expected to have access to late model computers and the software needed to complete class assignments. This requirement is especially important for MIS majors. Contact a department advisor for the current expectations.
   - Students are cautioned to study the course prerequisite structure and the Four Year Plan of Study later in this section when planning their schedules. MIS course prerequisites cannot be waived.
   - Lower division courses may not be taken for upper division credit in the major.
   - Students must earn at least a 2.0 GPA in the major and COB.
   - Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisite class.

5. Required Courses (22 hrs)
   ISM 3005 MIS Techniques 4 hrs
   ISM 4113 Information Systems Analysis & Design 3 hrs
   ISM 4130 Information Systems Implementation 3 hrs
   ISM 4212 Database Management Systems 3 hrs
   ISM 4220 Distributed Information Systems 3 hrs
   ISM 4300 Information Technology Management 3 hrs
   ISM 4409 Decision Support Systems 3 hrs
   Plus two of the following:
   Any 3000 or 4000 level ISM prefix course, excluding those listed in the minor.

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 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, 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 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**

**Freshman**

<table>
<thead>
<tr>
<th>1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101*</td>
<td>3</td>
<td>ENC 1102*</td>
<td>3</td>
</tr>
<tr>
<td>Cult-Hist I*</td>
<td>3</td>
<td>Cult-Hist II*</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1000</td>
<td>3</td>
<td>Art/Music/Lit</td>
<td>3</td>
</tr>
<tr>
<td>** selective**</td>
<td>3</td>
<td>MAC 1105*</td>
<td>3</td>
</tr>
<tr>
<td>** Elective**</td>
<td>3</td>
<td>CGS 2100C*</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sophomore**

<table>
<thead>
<tr>
<th>1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2023*</td>
<td>3</td>
<td>ECO 2013*</td>
<td>3</td>
</tr>
<tr>
<td>ACG 2021*</td>
<td>3</td>
<td>ACG 2071*</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td>Psy/Soc/Ant</td>
<td>3</td>
<td>** Elective**</td>
<td>3</td>
</tr>
<tr>
<td>** Elective**</td>
<td>3</td>
<td>ECO 3401*</td>
<td>3</td>
</tr>
</tbody>
</table>

* “C” (2.0) or better grade required in each class

**Junior**

<table>
<thead>
<tr>
<th>1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031</td>
<td>3</td>
<td>MAR 3023</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>3</td>
<td>ISM 4400</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3005</td>
<td>4</td>
<td>ISM 4212</td>
<td>3</td>
</tr>
<tr>
<td>GEB 3356</td>
<td>3</td>
<td>ISM 4220</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ECO 3411</td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior**

<table>
<thead>
<tr>
<th>1st Term</th>
<th>15 hrs</th>
<th>2nd Term</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM Elective</td>
<td>3</td>
<td>MAN 4720</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>3</td>
<td>ISM 4300</td>
<td>3</td>
</tr>
<tr>
<td>ISM Elective</td>
<td>3</td>
<td>ISM 4130</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>3</td>
<td>ISM Elective</td>
<td>3</td>
</tr>
<tr>
<td>ISM 4113</td>
<td>3</td>
<td>BUL 3310</td>
<td>3</td>
</tr>
</tbody>
</table>

**E. Science Foundation 6 hrs**

**D. Social Foundations 9 hrs**

**C. Cultural and Historical Foundations 9 hrs**

**B. Core Courses 30 hrs**

**A. General Education Program 36 hrs**

**5. Required Courses (18 hrs)**

**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

**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 9 hrs
       - Select MAC 1105 College Algebra 3 hrs
       - Select CGS 2100C Computer Fundamentals for Business 3 hrs
   - D. Social Foundations 6 hrs
     - Select one: PSY 3122, SYG 2000, ANT 3000 3 hrs
     - E. Science Foundation 6 hrs

2. Common Program Prerequisites

   Must be completed with a “C” (2.0) or better.

   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - ECO 2013 Macroeconomics 3 hrs
   - ECO 2023 Microeconomics 3 hrs
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - CGS 2100C Computer Fundamentals for Business 3 hrs

   * At UCF, students who have completed 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)

   - Common Body of Knowledge 6 hrs
     - First Semester in the College of Business Administration:
       - GEB 3031 Cornerstone 6 hrs
       - GEB 3356 Introduction to International Business 3 hrs
     - First or subsequent semesters depending on major:
       - BUL 3130 Legal & Ethical Environment 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 3 hrs
       - 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 (15) of the upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 15 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.
6. Restricted Electives – General Marketing (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3323</td>
<td>3</td>
</tr>
<tr>
<td>Integrated Marketing Communication</td>
<td></td>
</tr>
<tr>
<td>MAR 3403</td>
<td>3</td>
</tr>
<tr>
<td>Sales Force Management</td>
<td></td>
</tr>
<tr>
<td>MAR 3880</td>
<td>3</td>
</tr>
<tr>
<td>E-Marketing</td>
<td></td>
</tr>
<tr>
<td>*MAR 4156</td>
<td>3</td>
</tr>
<tr>
<td>International Marketing</td>
<td></td>
</tr>
<tr>
<td>MAR 4231</td>
<td>3</td>
</tr>
<tr>
<td>Retailing Management</td>
<td></td>
</tr>
<tr>
<td>MAR 4711</td>
<td>3</td>
</tr>
<tr>
<td>Sport Marketing</td>
<td></td>
</tr>
<tr>
<td>MAR 4712</td>
<td>3</td>
</tr>
<tr>
<td>Healthcare Marketing</td>
<td></td>
</tr>
<tr>
<td>MAR 4715</td>
<td>3</td>
</tr>
<tr>
<td>Entertainment Marketing</td>
<td></td>
</tr>
<tr>
<td>*MAR 4724</td>
<td>3</td>
</tr>
<tr>
<td>Strategic Foundations in Global e-Business</td>
<td></td>
</tr>
<tr>
<td>MAR 4841</td>
<td>3</td>
</tr>
<tr>
<td>Services Marketing</td>
<td></td>
</tr>
<tr>
<td>MAR 4914</td>
<td>3</td>
</tr>
<tr>
<td>Marketing Internship</td>
<td></td>
</tr>
</tbody>
</table>

* either MAR 4156 or MAR 4724 (not both) may be taken as an elective.

7. Required Electives - Sales Track* (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3403</td>
<td>3</td>
</tr>
<tr>
<td>Sales Force Management</td>
<td></td>
</tr>
<tr>
<td>MAR 4392</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Professional Selling</td>
<td></td>
</tr>
<tr>
<td>MAR 4YY</td>
<td>3</td>
</tr>
<tr>
<td>Strategic Issues in Sales</td>
<td></td>
</tr>
</tbody>
</table>

* Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Must have earned a grade of B (3.0) or higher in MAR 3391 to apply. Department faculty committee will select a maximum of 30 sales track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form. MAR 4XX is offered in the Fall semester; 4YY in the Spring semester.

8. Foreign Language Requirements (0-8 hrs)

Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: none

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

10. Electives*** (variable)

Total Semester Hours Required: 120 hrs

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

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.

- 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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>ENC 1101*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Cul-Hist II*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPC 1600</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*“C” (2.0) or better grade required in each class</td>
<td></td>
</tr>
<tr>
<td>Sophomore</td>
<td>ECO 2023*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ACG 2021*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Psy/Soc/Ant</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*“C” (2.0) or better grade required in each class</td>
<td></td>
</tr>
</tbody>
</table>

Must complete nine hours in a summer semester

FOUR YEAR PLAN OF STUDY – MARKETING: SALES TRACK

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>ECO 3411</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GEB 3031</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>GEB 3356</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAR 3023</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 2023*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ACG 2021*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Psy/Soc/Ant</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*“C” (2.0) or better grade required in each class</td>
<td></td>
</tr>
<tr>
<td>Sophomore</td>
<td>ECO 3411</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GEB 3031</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>GEB 3356</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAR 3023</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 2023*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ACG 2021*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Psy/Soc/Ant</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*“C” (2.0) or better grade required in each class</td>
<td></td>
</tr>
</tbody>
</table>

Must complete nine hours in a summer semester

FOUR YEAR PLAN OF STUDY – MARKETING: SALES TRACK

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>ECO 3411</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GEB 3031</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>GEB 3356</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAR 3023</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 2023*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ACG 2021*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Psy/Soc/Ant</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*“C” (2.0) or better grade required in each class</td>
<td></td>
</tr>
<tr>
<td>Sophomore</td>
<td>ECO 3411</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GEB 3031</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>GEB 3356</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAR 3023</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 2023*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ACG 2021*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Psy/Soc/Ant</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*“C” (2.0) or better grade required in each class</td>
<td></td>
</tr>
</tbody>
</table>

Must complete nine hours in a summer semester

General electives as required to reach 120 semester hours.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>ECO 3411</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GEB 3031</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>GEB 3356</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAR 3023</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 2023*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ACG 2021*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Psy/Soc/Ant</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*“C” (2.0) or better grade required in each class</td>
<td></td>
</tr>
</tbody>
</table>

Must complete nine hours in a summer semester

General electives as required to reach 120 semester hours.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>ECO 3411</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GEB 3031</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>GEB 3356</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAR 3023</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 2023*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ACG 2021*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Psy/Soc/Ant</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>**Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>*“C” (2.0) or better grade required in each class</td>
<td></td>
</tr>
</tbody>
</table>

Must complete nine hours in a summer semester

General electives as required to reach 120 semester hours.
**UCF General Education Program (36 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
   Select MAC 2311 Calculus with Analytic Geo I 4 hrs
   Select COP 3502C Computer Science I 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations
   Select BSC 2010C Biology I 4 hrs
   Select PHY 2048 & L Physics for Sci & Eng I 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 4 hrs
PHY 2048 & L Physics for Sci & Eng I & Lab GEP

*See Transfer Notes for possible substitutes

**3. Core requirements (48 hrs)**

PHG 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
ENC 3311 Advanced Expository Writing
STA 2023 Statistical Methods I
MTH 3302 Logic and Proof in Mathematics 3 hrs
MAP 2302 Differential Equations 3 hrs
MAS 3105 Matrix & Linear Algebra 4 hrs
MAS 3106 Linear Algebra 4 hrs
Select one course
MAS 4203 Combinatorics & Graph Theory
MAP 4153 Vector and Tensor Analysis
MAP 4307 Appl of Complex Variables 3 hrs
MAP 4363 Appl Boundary Value Prob & Int 3 hrs
STA 4321 Statistical Theory I 3 hrs
MAP 4364 Appl Boundary Value Prob II 3 hrs
COP 3502C Computer Science I GEP
STA 4322 Statistical Theory II 3 hrs
MAA 4226 Advanced Calculus I 4 hrs
COT 4500 Numerical Calculus 3 hrs
MAP 4103 Mathematical Modeling 3 hrs

**4. Restricted Electives (6 hrs)**
a. Applied Elective 3 hrs
Select from COP 4210, COT 4110, COT 5507, COP 3310, COP 3312, COP 3343, COP 3373, STA 4102, STA 5103, STA 4641

b. Biological or physical sciences restricted
   Select from PCB 3004, PCB 3005, PCB 4302C, PCB 4303C, CHM 3140, CHM 2210, PHY 3101, PHY 3223, PHY 4224, PHY 4424, PHY 4644

**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 2200

**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 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 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**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000* req# ID2-GEP</td>
<td>BSC 2010C Biology I</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>MAC 2311 Calc Anal Geo I</td>
<td>MAC 2312 Calc Anal Geo II</td>
</tr>
<tr>
<td>STA 2023 Stat Methods I</td>
<td>MTH 3302 Logic and Math</td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 1000* req# IA3-GEP</td>
<td>POS 2041* req# ID1-GEP</td>
</tr>
<tr>
<td>PHY 2048 Phy for Eng Sci I</td>
<td>MAP 2302 Diff Equations</td>
</tr>
</tbody>
</table>
4. Advanced Core Requirements (42 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048L</td>
<td>PHY L Eng Sci I</td>
<td>1</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calc Anal Geo III</td>
<td>4</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix and Lin Alg</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>PHY L Eng Sci II</td>
<td>1</td>
</tr>
</tbody>
</table>

Junior Year

Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010*</td>
<td>req1 1B1-GEP</td>
<td>3</td>
</tr>
<tr>
<td>COP 3223</td>
<td>Intro to Prog C</td>
<td>3</td>
</tr>
<tr>
<td>MAD 2402*</td>
<td>req1 3-Course</td>
<td>4</td>
</tr>
<tr>
<td>MAP 4363</td>
<td>Ap Bound Prob I</td>
<td>3</td>
</tr>
<tr>
<td>Elective*</td>
<td>Check restrictions</td>
<td>4</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 3502</td>
<td>Computer Science I</td>
<td>4</td>
</tr>
<tr>
<td>COP 3400</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>COP 4500</td>
<td>Numerical Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

Senior Year

Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050*</td>
<td>req1 1B3-GEP</td>
<td>3</td>
</tr>
<tr>
<td>COP 4500</td>
<td>Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>MAA 4226</td>
<td>Adv Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Stat Theory I</td>
<td>3</td>
</tr>
<tr>
<td>COT 4210*</td>
<td>req1 4a-ResElec</td>
<td>3</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3241*</td>
<td>req1 3-Core</td>
<td>3</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory I</td>
<td>3</td>
</tr>
<tr>
<td>COP 4500</td>
<td>Numerical Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

5. Restricted Electives (18 hrs)

Select six upper division courses

- COP 3402C Systems Software
- COP 3503C Introduction to Programming
- COP 4500 Operating Systems
- COP 4600 Operating Systems
- COP 4710 Discrete Computational Structures
- COP 3223 Programming Languages

5. Restricted Electives (18 hrs)

Select six upper division courses

- COP 3402C Systems Software
- COP 3503C Introduction to Programming
- COP 4500 Operating Systems
- COP 4600 Operating Systems
- COP 4710 Discrete Computational Structures
- COP 3223 Programming Languages

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 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 to complete a double major in both Computer Science and Applied Mathematics must also complete all the requirements of the School of Computer Science. To minimize the total hours taken for both majors, students should select an advanced computer science course for the unrestricted elective.

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 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 to complete a double major in both Computer Science and Applied Mathematics must also complete all the requirements of the School of Computer Science. To minimize the total hours taken for both majors, students should select an advanced computer science course for the unrestricted elective.

9. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 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 2100*: 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.

195
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, 2312, 2313 (or MAC 2281, 2282, 2283), 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 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
   - Select MAC 2311 Calculus I
   - 4 hrs
   D. Social Foundations
   - 6 hrs
   E. Science Foundations
   - Select BSC 2010C Biology I
   - 4 hrs
   - Select PHY 2048 & L Physics for Sci & Engr I
   - 4 hrs

2. Common Program Prerequisites (11 hrs)
   
   - 3223 Intro to Programming with C
   - MAC 2311 Calculus with Analytic Geo I
   - GEP
   - MAC 2312 Calculus with Analytic Geo II
   - MAC 2313 Calculus with Analytic Geo III
   - BSC 2010C Biology I
   - PHY 2048 & L Physics for Sci & Eng I wa/ab
   *See Transfer Notes for possible substitutes

3. Basic Core Requirements (10 hrs)
   
   - COP 3502C Computer Science I
   - 4 hrs
   - PHY 2049L Physics for Sci & Eng II wa/ab
   - 4 hrs
   - MAP 2302 Differential Equations
   - 3 hrs
   - STA 3023 Prob. & Stats for Engineers
   - 3 hrs
   - STA 2023 Statistical Methods I
   - 3 hrs

4. Advanced Core Requirements (54 hrs)
   
   - Select one course
   - 3 hrs
   - MGF 3302 Logic and Proof in Mathematics
   - COP 3100C Intro to Discrete Structures
   - Select one course
   - 3 hrs
   - MAP 4103 Mathematical Modeling
   - EML 3034 Modeling Meth in Mech. & Aero Eng
   - PHZ 3151 Computer Methods in Physics
   - MAP 4153 Vector and Tensor Analysis
   - MAP 4307 Appl of Complex Variables
   - MAP 4363 Appl Boundary Value Prob I
   - MAP 4364 Appl Boundary Value Prob II
   - MAD 4236 Advanced Calculus I
   - EGN 3921 Engineering Analysis - Dynamics
   - Select one course
   - 3 hrs
   - EGN 3420 Engineering Analysis
   - EGN 4500 Numerical Calculus
   - Select one course
   - 4 hrs
   - MAS 3106 Linear Algebra

5. Restricted Electives (9 hrs)
   
   - Select three courses
   - 9 hrs
   - STA 4321 Statistical Theory I
   - STA 4322 Statistical Theory II
   - PHY 3522 Electricity & Magnetism I
   - PHY 4524 Electricity & Magnetism II
   - EGM 3365 Structure & Property of Materials
   - EGM 3613 Engineering Economic Analysis
   - EGM 3704 Engineering & the Environmental
   - EEL 3342C Intro. to Digital Circuits and Systems
   - EEL 3801C Intro. to Computer Engineering
   - EEL 3857 Linear Control Systems
   - EML 4142 Heat Transfer
   - EML 4312C Feedback Control
   - EML 3262C 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
   - EMA 4223 Deformation and Fracture of Materials
   - CWR 4203C Hydraulics
   - CWR 4101C Hydrology
   - ENV 4561 Environmental Eng Processes & Design
   - ESI 4234 Quality Engineering
   - ESI 4523C Systems Simulation
   - EIN 4333C Industrial Control Systems
   - ESI 3004 Intro. to Indus. Eng. & Mgmt Sys
   - EAS 3101 Aerodynamics I
   - EGM 3601 Solid Mechanics
   - EEL 3004 Electronic Networks
   - or any PHY, PHZ, AST, 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.
**UCF Degree Programs**

**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
- 80 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:** 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 designated 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 Arts and Sciences**

**Department of Mathematics, MAP 207 407-823-6284**

[http://math.ucf.edu](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**

none

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- All mathematics courses except MAC 2311, 2312, 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**

(Nota: 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

**2. Common Program Prerequisites** (11 hrs)

- COP 3223*: Intro to Programming with C 3 hrs
- MAC 2311 Calculus with Analytic Geo I 4 hrs
- MAC 2312 Calculus with Analytic Geo II 4 hrs
- MAC 2313 Calculus with Analytic Geo III 4 hrs
- BSC 2010C* Biology I 4 hrs
- PHY 2048* & L Physics for Sci & Eng I & Lab 4 hrs

**3. Core requirements** (53 hrs)

- PHY 2049 & L Physics for Sci & Eng II & Lab 4 hrs
- One course selected from
  - ENC 3241 Writing for the Technical Professional 3 hrs
  - ENC 3310 Magazine Writing 3 hrs
  - ENC 3311 Advanced Expository Writing 3 hrs
  - STA 2023 Statistical Methods 3 hrs
  - MTH 3302 Logic and Proof in Mathematics 3 hrs
  - MAP 2302 Differential Equations 3 hrs
  - MAS 3105 Matrix & Linear Algebra 4 hrs
  - MAS 3106 Linear Algebra 4 hrs
  - MAP 4303 Applied Boundary Value Prob I 3 hrs
  - STA 4321 Statistical Theory I 3 hrs
  - MAS 4301 Algebraic Structures 3 hrs
  - STA 4322 Statistical Theory II 3 hrs
  - COP 3502C Computer Science II 3 hrs
  - MAA 4226 Advanced Calculus I 3 hrs
  - MAA 4227 Advanced Calculus II 3 hrs
  - MAD 4203 Combinatorics & Graph Theory 4 hrs
  - MTG 4213 Introduction to Topology 3 hrs
  - MAP 4307 Appl to Complex Variables 3 hrs

**4. Restricted Electives** (3 hrs)

- Biological or physical sciences restricted 3 hrs
- Select from PCB 3044, PCB 3063, PCB 4302C, PCB 4303C, CHM 2210, CHM 2046, PHY 3101, PHY 3323, PHY 4424

**5. Departmental Exit Requirements**

- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-4 above)
- Participate in an exit interview, 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
- 80 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:** Statistics, Applied Math, Computer Science, Engineering, Math Education

**Related Minors:** Computer Science, Engineering, Math, Physics, Statistics

**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:
- 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# 1D2-GE 3
ENC 1101 Composition I 3
MAC 2311 Calc Anal Geom I 4
STA 2023 Stat Methods I 3
STA 2033 Statistical Methods I 3

Spring
BSC 2010C Biology I 4
ENC 1102 Composition II 3
MAC 2313 Calc Anal Geom II 4
MTH 3302 Logic and in Math 3

Sophomore Year
Fall
COM 1000* req# 1A3-GE 3
PHY 2048 Phy for Eng Sci I 3
PHY 2048L Phy L Eng Sci I 1
MAC 2313 Calc Anal Geom III 4
MAS 3105 Matrix and Lin Alg 4

Spring
POS 2041* req# 1D1-GE 3
MAP 2302 Diff Equations 3
MAS 3106 Linear Algebra 4
PHY 2049L Phy L Eng Sci II 1

Junior Year
Fall
COP 3223 Intro to Prog C 3
MAP 4363 Ap Bound Prob I 3
MAS 4301 Algebraic Struct 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
COP 3502C Computer Science I 3
MAP 4307 App complex var 3
PCS 3003* req# 4-ResElect 3

Senior Year
Fall
AMH 2010* req# 1B1-GE 3
ENC 3241* req# 3-Core 3
MAA 4226 Adv Calc I 4
MAD 4193 Combinatry 4
STA 4321 Stat Theory I 3

Spring
ARH 2051 History of Western Art I or 3
MAC 2311 Calculus with Analytic Geometry I 4
MTG 4302 Intro to Topology 3
STA 2023 Differential Equations 3

MATHEMATICS EDUCATION (B.S.)

College of Education
Department of Teaching and Learning Principles
ED 209; 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

1. UCF General Education Program (37 hrs)
   A. Communication Foundations (9 hrs)
      ENC 1101 Composition I 3
   B. Cultural-Historical Foundations (9 hrs)
      AMH 2010 U.S. History 1492-1877 3
      AMH 2020 U.S. History 1877-Present 3
      PHI 2010 Introduction to Philosophy 3
   C. Mathematical Foundations (7 hrs)
      MAC 2311 Calculus with Analytic Geometry I 4
      STA 2023 Statistical Methods I 3
   D. Social Foundations (6 hrs)
      POS 2041 American National Government 3
      PSY 2012 General Psychology 3

2. Common Program Prerequisites (31 hrs)
   A. Communications (9 hrs)
      ENC 1101 Composition I GEP
      ENC 1102 Composition II GEP
      SPC 1600 Fundamentals of Oral Communication GEP
   B. Humanities (6 hrs)
      PHI 2010 Introduction to Philosophy GEP
      Select one: 3 hrs
      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
   C. Mathematics (11 hrs)
      MAC 2311 Calculus with Analytic Geometry I GEP
      MAC 2312 Calculus with Analytic Geometry II 4
      STA 2023 Differential Equations 3
      STA 2063 Statistics Methods I 3
   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 (10 hrs)
      PSC 1121 Physical Science GEP
      One of the following (per GEP) 3 hrs
      AN 2050 The Human Species or
      BSC 1005 Biological Principles
      Select one: 3 hrs
      AST 2002 Astronomy or
      GEO 1200 Physical Geography or
      GLY 1030 Geology and Its Applications
      Select one associated science lab: 1 hr
      SPC 1060L Biological Sciences Laboratory or
      BSC 1060L Biological Principles Laboratory or
      PSC 1121L Physical Science Laboratory or
   F. Education Courses (9 hrs)
      EDF 2005 Introduction to Education 3
      EDF 2011 Teaching Diverse Populations 3
      EME 2040 Technology for Educators 3
   G. Diversity Courses GEP
   H. Other Program Prerequisites (4 hrs)
      MAC 2313 Calculus with Analytic Geometry III 4

Note: student should consult advisor regarding course options.

3. EducationCore Requirements (15 hrs)
   EDF 4323 Professional Teaching Practices 3
   EDF 4653 Analysis of Critical Issues in Education 3
   EDF 4814 Classroom Learning Principles 3
   TSL 4080 Theory and Practice of Teaching ESL 3
   LAE 4361 Literacy Strategies for Mid/High School 3

4. Internship I (ESE3940) (3 hrs)
   - Program Internship I Prerequisites: EDF 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.
   - See additional requirements listed under College of Education, Office of Clinical Experiences

5. Specialization Requirements (37 hours)
   NOTE: Some course waivers/substitutions may be possible. See advisor.
   MAP 2302 Differential Equations 3
MAP 4103 Mathematical Modeling 3 hrs
MAS 4301 Algebra Structure 3 hrs
MAD 4203 Combinatorics & Graph Theory 4 hrs
MAE 4380 Mathematics Instructional Analysis 4 hrs
MAE 4634 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 4044 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.
- 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 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).

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

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall (17 hrs)</th>
<th>Spring (16 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 2701</td>
<td>3 hrs AMH 2010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>4 hrs MAC 2312</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>3 hrs STA 2023</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSE 1121L</td>
<td>1 hr ANT 2511 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3 hrs BSC 1005</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Summer</td>
<td></td>
<td>(10 hrs)</td>
</tr>
<tr>
<td>EDF 2005</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAC 2313</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PHI 2010</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Sophomore Year</td>
<td>Fall (15 hrs)</td>
<td>Spring (16 hrs)</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>3 hrs AMH 2010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MIF 3302</td>
<td>3 hrs EME 2040</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>3 hrs MAS 3105</td>
<td>4 hrs</td>
</tr>
<tr>
<td>AST 2002 or</td>
<td>3 hrs MAS 3203</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEO 1200 or</td>
<td>3 hrs POS 2041</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GLY 1030</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ARH 2050 or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUL 2010 or</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| THE 2000 or   |                |                 |
| FIL 2400      |                |                 |

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Fall (17 hrs)</th>
<th>Spring (12hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603</td>
<td>3 hrs EDF 4214</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4323</td>
<td>3 hrs MAE 4634</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4360</td>
<td>4 hrs MAP 4103</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MIF 4404</td>
<td>3 hrs MTG 4212</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MTG 4212</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Senior Year</td>
<td>Fall (13 hrs)</td>
<td>Spring (12 hrs)</td>
</tr>
<tr>
<td>ESE 3940</td>
<td>3 hrs ESE 4943</td>
<td>12 hrs</td>
</tr>
<tr>
<td>LAE 4361</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAD 4203</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>MAS 4301</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

MECHANICAL ENGINEERING (B.S.M.E.)
College of Engineering and Computer Science
Mechanical, Materials & Aerospace Engineering
Department, ENGR 307, 407-823-2416
Fax: 407-823-0208
http://www.mmae.ucf.edu
R. H. Chen, Associate Chairman, ENGR 307, E-Mail: chenrh@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; see also the section, Orientation, found elsewhere in this catalog.

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. Take ENC 1101
2. Take ENC 1102
3. Prefer SPC 1016

B. Cultural and Historical Foundations 7 hrs
1. Take MUS 2060
2. Take STA 3032 (3 hrs).

C. Mathematical Foundations 9 hrs
1. Take MAC 2311, Calculus with Analytic Geometry I, (4 hrs).
2. Take STA 3032 (3 hrs).

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>Courses</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 1440</td>
<td>Fundamentals of Chemistry for Eng (CHM 2045/45L will substitute)</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>PHY 2048/48L</td>
<td>Physics for Engineers &amp; Scientists I</td>
</tr>
<tr>
<td>PHY 2049/49L</td>
<td>Physics for Engineers &amp; Scientists II</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>Humanities Courses</td>
<td>GEP</td>
</tr>
</tbody>
</table>
### Social Science Courses
- **GEP**

### Humanities or Social Sciences
- **GEP**

#### 3. Courses Required for the Major (68 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 Engnrng 3 hrs
- **STA 3032** Probability & Statistics for Engineers **GEP**
- **EML 3034** Modeling Methods in MMAE 3 hrs
- **EML 3323C** Mechanical Engnrng Measurements 3 hrs
- **EML 4312C** Feedback Control 3 hrs
- **EML 3500** Machine Design & Analysis 3 hrs
- **EGN 3601** Solid Mechanics 3 hrs
- **EML 3701** Fluid Mechanics I 3 hrs
- **EML 4142** Heat Transfer 3 hrs
- **EML 4220** Vibration Analysis 3 hrs
- **EML 4505C** Introduction to CAD/CAM 3 hrs

Select one of the following three options for your senior year to complete your BSME. (16 hrs)

##### a. Energy Systems Option
- **EML 3301** Thermodynamics of Mechanical Sys 3 hrs
- **EML 4304C** Thermo-Fluids Measurements 2 hrs
- **EML 4703** Fluid Mechanics II 3 hrs
- **Restricted Mechanical Systems Elective** 3 hrs
- **Approved Electives** 8 hrs

##### b. Mechanical Systems Option
- **EMA 3012C** Experimental Techniques in Mechanics & Materials 3 hrs
- **EML 3262C** Kinematics of Mechanisms 3 hrs
- **EML 3804C** Digital Control in Mechatronics 3 hrs
- **Restricted Energy Systems Elective** 3 hrs
- **Approved Electives** 7 hrs

##### c. Materials Option
- **EMA 3012C** Experimental Techniques in Mechanics & Materials 3 hrs
- **EMA 4102** Thermodynamics and Kinetics of Materials 3 hrs
- **EMA 3242** Design and Selection of Materials 3 hrs
- **Restricted Materials Systems Elective** 3 hrs
- **Approved Electives** 7 hrs

#### 4. Departmental Graduation Requirements (6 hrs)
- **EML 4501C** Engineering Design I 3 hrs
- **EGN 4413C** Interdisciplinary Design II 3 hrs
- **EML 4502C** Engineering Design II 1 hr

#### 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

Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

#### 7. University Minimum Graduation Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after any CLEP award.
- 45 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF.
- 25% of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable).

### Total Semester Hours Required: 128 hours

**Related Programs:** Aerospace Engineering, Industrial Engineering.

**Related Minors:** Space Studies.

#### 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**

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C Intro to Eng Prof</td>
<td>1</td>
<td>EGN 1007C Eng Conc&amp;Meth</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>*ENC 1101 English Comp I</td>
<td>3</td>
<td>*ENC 1102 English Comp II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*CHS 1440 Chim Eng or</td>
<td>4</td>
<td>*MAC 2312 Calc II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CHM 2045C w/lab</td>
<td></td>
<td>*SPC 1010 Oral Comm for Eng</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*MAC 2311 Calc I</td>
<td>4</td>
<td>*ECO 2013 Macroeconomics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*PHY 2048 Phys Eng I w/lab</td>
<td>4</td>
<td>ECO 2023 Microeconomics</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND YEAR</th>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1111C Engr Comp Graph</td>
<td>2</td>
<td>EGN 3213 Engr Anal-Dynamics</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>*MAP 2202 Diff Equations</td>
<td>3</td>
<td>EGN 3365 Strtrc &amp; Prop Matls</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGN 3310 Engr Anal-Statics</td>
<td>3</td>
<td>EGN 3343 Thermodynamics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*PHY 2049 Phys Eng II w/lab</td>
<td>4</td>
<td>EML 3034 Mod Mthds/MMAE</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>STA 3032 Probl &amp; Stats/Engrs</td>
<td>3</td>
<td>EGN 3735 Prin of Elec Engr</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD YEAR</th>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGM 3601 Solid Mechanics</td>
<td>3</td>
<td>EML 4220 Vibration Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EML 3701 Fluid Mechanics</td>
<td>3</td>
<td>EML 3500 Mach Dsgn/Anal</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EML 4312C Feedback Cont</td>
<td>3</td>
<td>EML 4142 Heat Transfer</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EML 3363C Mech Engr Meas</td>
<td>3</td>
<td>EML 4353C CAD/CAM</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*Science Foundations</td>
<td>3</td>
<td>*Cult &amp; Hist Foundations</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH YEAR</th>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3101 Thermo Mech Sys</td>
<td>3</td>
<td>EML 4502C Eng Design II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EML 4703 Fluid Mechanics II</td>
<td>3</td>
<td>EGN 4413C Inter Design II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EML 4321C Eng Design I</td>
<td>3</td>
<td>EML 4304C Meas Therm Sys</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGN 4412C Inter Design I</td>
<td>3</td>
<td>Approved Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Approved Elective</td>
<td>2</td>
<td>Approved Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Restricted Mechanical Systems Elect</td>
<td>3</td>
<td>*Cult &amp; Hist Foundations</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>II. MECHANICAL SYSTEMS OPTION</th>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 2626C Kinem Mechnsms</td>
<td>3</td>
<td>EML 4502C Eng Design II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EML 4501C Eng Design I</td>
<td>3</td>
<td>EGN 4413C Inter Design II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EML 3804C Mechatronics</td>
<td>3</td>
<td>EML 3012C ExpTec Mech/Mt</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>EMA 312C ExpTec Mech/Mt</td>
<td>3</td>
<td>Approved Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>*Cultural &amp; Hist Foundations</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>III. MATERIALS OPTION</th>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA 4102C Mechatronics</td>
<td>3</td>
<td>EML 4503C ExpTec Mech/Mt</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EML 4321C Eng Design I</td>
<td>3</td>
<td>EMA 4223 Fund Mech Mater</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EMA 4506 Emerging Materials</td>
<td>3</td>
<td>EMA 4503 Mater Char Tech</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Restricted Materials Systems Elect</td>
<td>3</td>
<td>Approved Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Approved Elective</td>
<td>2</td>
<td>*Cult &amp; Hist Foundations</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Integrated BS/MS Degree Program

The Mechanical, Materials, and Aerospace Engineering Department offers the Integrated BS/MS Program to students of high academic standing. This program allows up to nine graduate hours to be substituted for specified BS requirements. See advisor for appropriate substitutions.

MEDICAL LABORATORY SCIENCES (B.S)
Burnett College of Biomedical Sciences
HPA2 335, 407-823-5932
http://www.biomed.ucf.edu

Admission Requirements

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) and is approved as a training program by the state of Florida Board of Clinical Laboratory Personnel.
UCF Degree Programs

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation: None

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- 25% of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 126 hours

Related Programs: Molecular Biology and Microbiology, Biology, Chemistry

Related Minors: Biology, Chemistry

Transfer Notes:
Community College Equivalencies for Language and Literature in the English Department
Human Anatomy and Physiology I & II (BSC 2033C and 2043C) General Microbiology/Lab (MCB 2013)

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
MAC 1140C 3
CHM 2045C 4
CGS 2100C 3

Spring 17 hrs
ENC 1102 3
BSC 2010C 4
CHM 2046L 1
ANT 2000 or SYG 2000 3
STA 2023 3

Sophomore Year

Fall 16 hrs
POS 2041 or ECO 2013 3
CHM 2101 3
ZOO 3733C 4
EUH 2000 or HUM 2211 3
MUL 2010 or THE 2000 3

Spring 17 hrs
CHM 2211L 2
MCB 3020C 5
PCB 3703C 4
EUH 2001 or HUM 2230 3
or AMH 2020 3

Junior Year

Fall 13 hrs
MLS 3220C 3
MLS 4625L 3/1
PCB 3233L 3/1
MLS 4430C 2

Spring 16 hrs
MLS 3305L 3/1
MCB 4630 3
MLS 4460 4
MLS 4550 4
MLS 4420 1

Summer 6 hrs
CGS 1060 3
MLS 4334 3

Senior Year

Fall 16 hrs
MLS 4830C 4
MLS 4831C 4
MLS 4832C 4
MLS 4833C 4

Spring 12 hrs
MLS 4912 1
MLS 4505 3
MLS 4933 1
MLS 3705 3
BSC 2404 4

MODERN LANGUAGE COMBINATION (B.A.)

College of Arts and Sciences
Department of Modern Languages & Literatures, CNH 523
http://pegasus.cc.ucf.edu/~forlang
E-mail: modernlanguages@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. Students must consult an advisor.
- Native speakers or students who have received advanced education abroad must substitute select classes.

Degree Requirements:
- Students who change degree programs and select this major must adopt the most current catalog.
- Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.
- At least 33 hours must be taken in Modern Language courses taken in the target language.
- Students must earn at least a “C” (2.0) in each upper division foreign language course.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which studit by Examination in literature courses only.
- Students must see their departmental advisor for counseling and schedule approval before registering.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations 3 hrs
   - D. Social Foundations 6 hrs
   - E. Science Foundations 6 hrs

2. Common Program Prerequisites (0-14 hrs)
   - Completion of Intermediate level of proficiency.

3. Core requirements-first language (24 hrs)
   - a. Composition (select one) 3 hrs
   - b. Oral Communication (select one) 3 hrs
   - c. Literature (select one sequence) 6 hrs
   - d. Linguistics (select one) 3 hrs
   - e. Restricted Electives in the first language 9 hrs

4. Core requirements-second language (15 hrs)
   - a. Composition (select one) 3 hrs
   - b. Oral Communication (select one) 3 hrs
   - c. Restricted Electives in the second language 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 degree program requirements (four semesters or proficiency).

7. Electives
- (variable)
  - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120 hrs

Related Programs: French, Spanish

Related Minors: French, German, Italian, Judaica Studies, Latin American and Iberian Area Studies, Russian Area 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 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
- Fall
  - BSC 1005 req# 1E2-GEP 3
  - ENC 1101 Composition I 3
  - AMH 2100 req# 1B2-GEP 3
  - MGF 1100 req# 1C1-GEP 3
  - SPN 1120 req# 2-CPP 4
- Spring
  - ENC 1102 Composition II 3
  - MUL 201O req# 1B2-GEP 3
  - POS 2041 req# 1D1-GEP 3
  - STA 1060C req# 1C2-GEP 3
  - SPN 1121 req# 2-CPP 4

Sophomore Year
- Fall
  - ANT 2000 req# 1D2-GEP 3
  - PSC 2112 req# 1E1-GEP 3
  - COM 3000 req# 1A1-GEP 3
  - SPN 2230 req# 2-CPP 3
  - FRE 1120 req# 2-Lang/Elect 4
- Spring
  - REL 2300 req# 1B3-GEP 3
  - SPA 2231 req# 2-CPP 3
  - Elective* Check restrictions 2
  - Elective* Check restrictions 2
  - FRE 1121 req# 2-Lang/Elect 4

Junior Year
- Fall
  - SPN 3420 req# 3a-Core1 3
  - SPN 3760 req# 3b-Core1 3
  - SPN 3300 req# 3c-Core1 3
  - Elective* Check restrictions 3
  - FRE 2200 req# 3-Lang/Elect 3
- Spring
  - SPW 3100 req# 3c-Core1 3
  - SPW 4410 req# 3c-Core1 3
  - FRW 3100 req# 4c-Core2 3
  - Elective* Check restrictions 3

Senior Year
- Fall
  - SPW 3100 req# 3d-Core1 3
  - Elective* Check restrictions 3
  - MCB 4225 req# 1C2-GEP 3
  - MCB 4603 req# 1D1-GEP 3
  - MCB 4970H req# 1D1-GEP 3
  - Elective* Check restrictions 3

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
Assistant Chair: Roseann White
UG Program Coordinator: Dorilyn Hitchcock

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below “C-” (1.75) in life science courses will not be accepted
- 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
   - B. Cultural Historical Foundations
   - C. Mathematical Foundations
   - D. Social Foundations
   - E. Science Foundations

2. Common Program Prerequisites (22 hrs)
   - BSC 2010C Biology I
   - BSC 2011C Biology II
   - CHM 2045C, 2046, General Chemistry I, II, + Lab
   - CHM 2210, 2211, 2211L Organic Chemistry I, II, + Lab
   - MAC 2311 Calculus with Analytical Geometry I

3. Core Requirements (39 hrs)
   - A. Communication Foundations
   - B. Cultural Historical Foundations
   - C. Mathematical Foundations
   - D. Social Foundations
   - E. Science Foundations

4. Upper Division Restricted Electives (18 hrs)
   - (Six courses, of which at least two must be laboratory courses. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Either MCB 3203 or MLS 4460, but not both, may be counted. Only three hours of Honors thesis will count towards restrictive elective requirement.)
   - BCH 4054 Biochemistry II
   - BCH 4108L Biochemical Methods
   - MCS 3203, 3203L Pathogenic Microbiology + Lab
   - MCB 4114C Microbial Systematics and Diagnostics
   - PCB 3063 Genetics
   - MCB 4312 Molecular Biotechnology
   - MCB 4603 Environmental Microbiology
   - MCB 4970H Honors Thesis
   - MCB 5205 Infectious Process
   - MCB 5225 Molecular Biology of Disease

Total Semester Hours Required
- 120 hrs

UCF Degree Programs

Freshman Year
  - BSC 1005 req# 1E2-GEP 3
  - ENC 1101 Composition I 3
  - AMH 2100 req# 1B2-GEP 3
  - MGF 1100 req# 1C1-GEP 3
  - SPN 1120 req# 2-CPP 4

Sophomore Year
  - ANT 2000 req# 1D2-GEP 3
  - PSC 2112 req# 1E1-GEP 3
  - COM 3000 req# 1A1-GEP 3
  - SPN 2230 req# 2-CPP 3
  - FRE 1120 req# 2-Lang/Elect 4

Junior Year
  - SPN 3420 req# 3a-Core1 3
  - SPN 3760 req# 3b-Core1 3
  - SPN 3300 req# 3c-Core1 3
  - Elective* Check restrictions 3
  - FRE 2200 req# 3-Lang/Elect 3

Senior Year
  - SPW 3100 req# 3c-Core1 3
  - Elective* Check restrictions 3
  - MCB 4225 req# 1C2-GEP 3
  - MCB 4603 req# 1D1-GEP 3
  - MCB 4970H req# 1D1-GEP 3
  - Elective* Check restrictions 3

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
Assistant Chair: Roseann White
UG Program Coordinator: Dorilyn Hitchcock

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below “C-” (1.75) in life science courses will not be accepted
- 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
   - B. Cultural Historical Foundations
   - C. Mathematical Foundations
   - D. Social Foundations
   - E. Science Foundations

2. Common Program Prerequisites (22 hrs)
   - BSC 2010C Biology I
   - BSC 2011C Biology II
   - CHM 2045C, 2046, General Chemistry I, II, + Lab
   - CHM 2210, 2211, 2211L Organic Chemistry I, II, + Lab
   - MAC 2311 Calculus with Analytical Geometry I

3. Core Requirements (39 hrs)
   - A. Communication Foundations
   - B. Cultural Historical Foundations
   - C. Mathematical Foundations
   - D. Social Foundations
   - E. Science Foundations

4. Upper Division Restricted Electives (18 hrs)
   - (Six courses, of which at least two must be laboratory courses. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Either MCB 3203 or MLS 4460, but not both, may be counted. Only three hours of Honors thesis will count towards restrictive elective requirement.)
   - BCH 4054 Biochemistry II
   - BCH 4108L Biochemical Methods
   - MCS 3203, 3203L Pathogenic Microbiology + Lab
   - MCB 4114C Microbial Systematics and Diagnostics
   - PCB 3063 Genetics
   - MCB 4312 Molecular Biotechnology
   - MCB 4603 Environmental Microbiology
   - MCB 4970H Honors Thesis
   - MCB 5205 Infectious Process
   - MCB 5225 Molecular Biology of Disease

Total Semester Hours Required
- 120 hrs

UCF Degree Programs
UCF Degree Programs

**Molecular Biology and Microbiology**

- **MCB 5932** Current Topics in Molecular Biology 3 hrs
- **MCB 5505** Molecular Virology 3 hrs
- **MCB 5554** Applied Microbiology 3 hrs
- **MCB 4030C** Virology 3 hrs
- **MLS 3220C** Clinical Microscopy with lab 3 hrs
  - *MLS 3305* Hematology 3 hrs
  - *MLS 4334* Hemostasis 3 hrs
  - *MLS 4402C* Clinical Parasitology 2 hrs
  - *MLS 4505C* Immunodiagnostics 3 hrs
- **MLS 4625** Advanced Clinical Chemistry I 3 hrs
- **MLS 4630** Advanced Clinical Chemistry II 3 hrs
- **PCB 4529** Experimental Molecular Biology 3 hrs
- **PCB 5287** Signal Transduction Mechanisms 3 hrs
- **PCB 5288** Immunopathology 4 hrs
- **PCB 5289** Tumor Biology 3 hrs
- *ZOO 3701C* Dissection Techniques 2 hrs
- *ZOO 3733C* Human Anatomy 4 hrs
- *ZOO 4703C* Vertebrate Embryology 5 hrs
- *ZOO 3744* Neurobiology 3 hrs
- *ZOO 4753C* Vertebrate Histology 4 hrs
- **ZOO 5745C** Essentials of Neuroanatomy 4 hrs
- **ZOO 4XXX** Clinical Neuroanatomy and Neuroscience 4 hrs

* Recommended for Preprofessional students

**Note:** Those students interested in pursuing a professional or preprofessional education are strongly advised to select the following courses:
- Physiology for Scientists and Engineers I & II (PHY 2048, 2049, 2048L, 2049L); Applied Calculus I & II (MAC 2233, 2234) or Calculus with Analytic Geometry I & II (MAC 2311, 2312).

5. Departmental Exit Requirements **(61-91 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 take a comprehensive test during their last semester.


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: 

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 coursework must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hours

**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 requirements 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 THC
- 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** 13/14 hrs  
  - ENC 1101 3  
  - ECB 1003 3
- **Spring** 17 hrs  
  - ENC 1102 3

**Sophomore Year**

- **Fall** 14/15 hrs  
  - CHM 2210 3  
  - ECB 1005 3
- **Spring** 15 hrs  
  - ECB 1006 3

**Junior Year**

- **Fall** 17 hrs  
  - PCB 3522 3
  - BCH 4053 3
  - PHY 2048 or PHY2049, 2049L
  - MCB 4414 3
- **Spring** 14/15 hrs  
  - PCB 4523 3
  - BSC 2021C 3
  - PHY 2049L

**Senior Year**

- **Fall** 15/17 hrs  
  - MCB 4414 3
  - Restricted Elective 3/4
  - CGS 1060C 3
  - Restricted Elective 3/4
  - Restricted Elective 3/4
  - Acourse from Cultural and Historical Foundations Group 3
  - *recommend SPC 1016
- **Spring** 12/15 hrs  
  - Restricted Elective 3/4
  - Restricted Elective 3/4
  - Restricted Elective 3/4
  - *Students electing to enroll in the PHY2048/2049 sequence must plan to accomodate MAC 2311/2312 as prerequisites.

**Motion Picture Technology**

(See Film)

**Music (B.A.)**

College of Arts and Sciences
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 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

204 UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog
1. UCF General Education Program (36 hrs)
   (see General Education Program for detailed information)
   A. Communication Foundations
      9 hrs
   B. Cultural and Historical Foundations
      Select one course from 1.B.1 list
      3 hrs
   C. Mathematical Foundations
      Select MGF 1100 Finite Mathematics
      (may substitute a higher level math)
      3 hrs
   D. Social Foundations
      6 hrs
   E. Science Foundations
      6 hrs

2. Common Program Prerequisites (20-24 hrs)
   MUT 1111* Music Theory IA
   MUT 1112* Music Theory IB
   MUT 1241* Ear Training & Sight Singing IA
   MUT 1242* Ear Training & Sight Singing IB
   MUT 2116* Music Theory IIA
   MUT 2117* Music Theory IIB
   MUT 2246 Ear Train Sing IIA
   MUT 2247 Ear Train Sing IIB
   MUN XXXX Ensembles
   (may substitute a higher level math)
   STA 1060C Statistics Using Excel
   3 hrs
   MUS 4XXX Capstone/Senior Thesis Project 3 hrs
   (repeat MVK 3131-4141 Class Piano III-IV until proficiency passed)
   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
   MUT 3571 20th Century Musical Analysis
   3 hrs
   MVX XXXX Secondary Performance
   3 hrs
   MUN XXXX Ensembles
   3 hrs
   MUH 4211 History & Literature I
   3 hrs
   MUH 4212 History & Literature II
   3 hrs

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, Foreign 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 hour 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

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 examinations for foreign languages may be used to meet the requirement. With departmental approval, a multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

Total Semester Hours Required 120 hours

Related Programs: Music Education, Music (BM), Theatre, Musical 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 2111*: 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. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
ENC 1101 Composition I 3
HUM 2211* req# 1B1-GEP 3
MGF 1106* req# 1C1-GEP 3
MUN 3143* req# 2-CPP 3
MVK 3131 Class Piano I 1
MUS 1010 Music Forum 0
Spring
ENC 1102 Composition II 3
HUM 2220* req# 1B2-GEP 3
STA 1060C* req# 1C2-GEP 3
MUS 1011 Music Theory IA 2
MUS 1012 Music Theory IB 2
MUS 1010 Music Forum 0
Sophomore Year
Fall
POS 2041* req# 1D1-GEP 3
PSC 1121* req# 1E1-GEP 3
MUN 3143* req# 2-CPP 3
MUT 1241 Ear Train Sing IA 1
MUT 1242 Ear Train Sing IB 1
MVK 3132 Class Piano II 1
MUS 1010 Music Forum 0
Spring
MUN 3141 Class Piano I 1
MUS 1212* req# 2-CPP 3
MUS 1011 Music Forum 0
Junior Year
Fall
SPC 1600* req# 1A3-GEP 3
MUT 2116 Music Theory IIA 1
MUT 2245 Ear Train Sing IIA 1
MVK 3131 Class Piano III 1
MVK 1111 Music Theory IA 2
MUS 3170* req# 4-ResElec 2
Spring
MUT 2117 Music Theory IIB 1
MVK 4141 Class Piano IV 1
MUS 3171* req# 4-ResElec 2
MUS 1101 Music Forum 0
## UCF Degree Programs

### MUSIC EDUCATION (B.M.E.)

**College of Arts and Sciences**  
**Department of Music, CNH 205A**  
[http://www.cas.ucf.edu/music/](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.**
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- 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:**
- **Pass 3 out 5 comprehensive proficiency examinations**
- **Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or better in each performance, education, and music education course.**
- **Have on file in the University admissions office passing scores on all 4 parts of the College Level Academic Skills Test (CLAST) or the General Knowledge Test of the Florida Teacher Competency Examination.**
- **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></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>AMH 2010 U.S. History 1877-Present</td>
<td>MGF 1106 Finite Mathematics</td>
<td>POS 2941 American National Government</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>AMH 2020 U.S. History 1877</td>
<td>Select one:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(9 hrs)</td>
<td>(9 hrs)</td>
<td>(6 hrs)</td>
<td></td>
</tr>
<tr>
<td>(3 hrs)</td>
<td>(3 hrs)</td>
<td>(3 hrs)</td>
<td></td>
</tr>
</tbody>
</table>

**Select one:**

- STA 1060C Basic Statistics Using Excel or STA 2014C Principles of Statistics

**(6 hrs)**

- POS 2941 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs

**Note:**

- **E. Science Foundations (6 hrs)**
  - PSC 1121 Physical Science 3 hrs
  - Select one:  
    - ANT 2511 The Human Species 3 hrs  
    - BSC 1005 Biological Principles

**Note:** See laboratory component under Section 2.

#### 2. Common Program Prerequisites (19 hrs)

**A. Communications (0 hrs)**

- ENC 1101 Composition I  3 hrs
- ENC 1102 Composition II  3 hrs
- SPC 1600 Fundamentals of Oral Communication 3 hrs

**B. Humanities (3 hrs)**

- PHI 1801 Introduction to Philosophy 3 hrs
- MUN 4476 History and Literature I 3 hrs
- MUN 3423 History and Literature II 3 hrs

**C. Mathematics (3 hrs)**

- MAC 1105 College Algebra 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- One of the following (per GEP) 3 hrs
  - BSC 1005L Biological Principles Laboratory
  - PSC 1121L Physical Science Laboratory

#### 3. Other Program Prerequisites (27 hrs)

- MUN XXXX Major Ensembles (4 semesters) 4 hrs
- MUP XXXX Major Music Theory (3 semesters) 4 hrs
- MUP 2941 Music Theory I 2 hrs
- MUP 2116 Music Theory II 2 hrs
- MUP 2117 Music Theory III 2 hrs
- MUP 2411 Ear Training & Sight Singing I 1 hr
- MUP 2421 Ear Training & Sight Singing II 1 hr
- MUP 2426 Ear Training & Sight Singing III 1 hr
- MUP 2427 Ear Training & Sight Singing IV 1 hr
- MVK 1111 Class Piano I (or proficiency) 0-1 hr
- MVK 2121 Class Piano II 1 hr
- MVK 3131 Class Piano III 1 hr
- MVK 4141 Class Piano IV 1 hr
- MV-XXXX Performance (4 semesters) 0 hrs

#### 4. Core Requirements (37 hrs)

| MUN XXXX Major Ensembles (2 semesters) 2 hrs |
| POS 2941 American National Government 3 hrs |
| PSY 2012 General Psychology 3 hrs |

**Note:**

- **Select one:**
  - MUP 2116 Music Theory II 2 hrs
  - MUP 2117 Music Theory III 2 hrs
  - MUP 2421 Ear Training & Sight Singing II 1 hr
  - MUP 2426 Ear Training & Sight Singing III 1 hr
  - MUP 2427 Ear Training & Sight Singing IV 1 hr
  - MVK 1111 Class Piano I (or proficiency) 0-1 hr
  - MVK 2121 Class Piano II 1 hr
  - MVK 3131 Class Piano III 1 hr
  - MVK 4141 Class Piano IV 1 hr
  - MV-XXXX Performance (4 semesters) 0 hrs

#### 4. Core Requirements (37 hrs)

- MUP 2941 Music Theory I 2 hrs
- MUP 2116 Music Theory II 2 hrs
- MUP 2421 Ear Training & Sight Singing I 1 hr
- MUP 2426 Ear Training & Sight Singing II 1 hr
- MUP 2427 Ear Training & Sight Singing III 1 hr
- MVK 1111 Class Piano I (or proficiency) 0-1 hr
- MVK 2121 Class Piano II 1 hr
- MVK 3131 Class Piano III 1 hr
- MVK 4141 Class Piano IV 1 hr
- MV-XXXX Performance (4 semesters) 0 hrs

**E. Science Foundations (6 hrs)**

- PSC 1121 Physical Science 3 hrs
- Select one:  
  - ANT 2511 The Human Species 3 hrs  
  - BSC 1005 Biological Principles

**Note:** See laboratory component under Section 2.

#### 2. Common Program Prerequisites (19 hrs)

**A. Communications (0 hrs)**

- ENC 1101 Composition I  3 hrs
- ENC 1102 Composition II  3 hrs
- SPC 1600 Fundamentals of Oral Communication 3 hrs

**B. Humanities (3 hrs)**

- PHI 1801 Introduction to Philosophy 3 hrs
- MUN 4476 History and Literature I 3 hrs
- MUN 3423 History and Literature II 3 hrs

**C. Mathematics (3 hrs)**

- MAC 1105 College Algebra 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- One of the following (per GEP) 3 hrs
  - BSC 1005L Biological Principles Laboratory
  - PSC 1121L Physical Science Laboratory

#### 3. Other Program Prerequisites (27 hrs)

- MUN XXXX Major Ensembles (4 semesters) 4 hrs
- MUP XXXX Major Music Theory (3 semesters) 4 hrs
- MUP 2941 Music Theory I 2 hrs
- MUP 2116 Music Theory II 2 hrs
- MUP 2117 Music Theory III 2 hrs
- MUP 2411 Ear Training & Sight Singing I 1 hr
- MUP 2421 Ear Training & Sight Singing II 1 hr
- MUP 2426 Ear Training & Sight Singing III 1 hr
- MUP 2427 Ear Training & Sight Singing IV 1 hr
- MVK 1111 Class Piano I (or proficiency) 0-1 hr
- MVK 2121 Class Piano II 1 hr
- MVK 3131 Class Piano III 1 hr
- MVK 4141 Class Piano IV 1 hr
- MV-XXXX Performance (4 semesters) 0 hrs

#### 4. Core Requirements (37 hrs)

- MUP 2941 Music Theory I 2 hrs
- MUP 2116 Music Theory II 2 hrs
- MUP 2421 Ear Training & Sight Singing I 1 hr
- MUP 2426 Ear Training & Sight Singing II 1 hr
- MUP 2427 Ear Training & Sight Singing III 1 hr
- MVK 1111 Class Piano I (or proficiency) 0-1 hr
- MVK 2121 Class Piano II 1 hr
- MVK 3131 Class Piano III 1 hr
- MVK 4141 Class Piano IV 1 hr
- MV-XXXX Performance (4 semesters) 0 hrs

**E. Science Foundations (6 hrs)**

- PSC 1121 Physical Science 3 hrs
- Select one:  
  - ANT 2511 The Human Species 3 hrs  
  - BSC 1005 Biological Principles

**Note:** See laboratory component under Section 2.
### 5. Special Requirements (15 hrs)

Complete one program:

**Program A - Instrumental**
- MVV 1111 Class Voice (or proficiency) 0-1 hr
- MUG 3302 Marching Band Techniques 2 hrs
- MUE 4400C Marching Band Techniques 1 hr
- ESE 4943 Internship II - Secondary 12 hrs

**Program B Choral**
- MUG 3202 Choral Conduct & Materials 2 hrs
- MUS 1201 European Diction 1 hr
- ESE 4943 Internship II - Secondary 12 hrs

**Program C - Elementary School**
- MVV 1111 Class Voice (for proficiency) 0-3 hrs
- MUE 1291 Classroom Instruments 1 hr
- MUE 3930 Special Topics in Elementary School Music 2 hrs
- ESE 4943 Internship II - Secondary 12 hrs

### 6. Internships

**Internship I:** Students must have on file in the University admissions office passing scores on 4 parts of the CLAST and have passed 4 of the 5 music proficiency/comprehensive exams (including the Music Education) before enrolling in Internship I. Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in the field with half the time in an Elementary setting and half in a Secondary school setting. Components of the experience include directed observation, collaborative planning, guided participation, and collaborative evaluation. Students are expected to provide their own transportation to assigned locations.

**Internship II:** Students must have on file in the University admissions office passing scores on 4 parts of the CLAST; successfully completed Internship I; and have passed all proficiency/comprehensive exams before enrolling in Internship II. Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. Additionally, students attend school five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. The semester of student teaching is divided into four types of activities: observing, assisting, teaming, and teaching. Student teachers become involved with children as rapidly as possible, and gradually assume a full responsibility for the classroom to which they have been assigned. As the experience draws to an end, the process should be reversed and supervising teachers take back their classes at convenient program breaks. Students are expected to provide their own transportation to assigned locations.

**Internship III:** Students must have on file in the University admissions office passing scores on 4 parts of the CLAST, successfully completed Internship I and II, and have passed all proficiency/comprehensive exams before enrolling in Internship III. Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in the field with half the time in an Elementary setting and half in a Secondary school setting. Components of the experience include directed observation, collaborative planning, guided participation, and collaborative evaluation. Students are expected to provide their own transportation to assigned locations.

### 7. Special Non- Course Requirements

**Note:** Contact the Music Education Advisor for details

- Music Education Proficiency Exam - take during the completion of the fourth semester of study, or after completing Performance II, Ensemble Participation

**Ensemble Participation**

- Selected from University Chorus, Symphony Orchestra, Concert Band, Marching Band, and Wind Ensemble. Four hours of Jazz Lab may be used as a Major Ensemble credit
- Ensemble assignment is by the Ensemble directors
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II
- Native UCF students must take each Ensemble credit in a separate semester
- Students taking a Performance course must concurrently take an appropriate major ensemble if accepted

### Recitals

- Students must complete a minimum of 4 proficiency examinations prior to auditioning for a faculty-approved public recital (optional for students in the Elementary School Music Specialization) Portfolio
- Maintain a Professional Portfolio. The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

### CMENC Membership

- Active participation in CMENC is expected

### Music Education Forums

- Attendance at all Music Education Forums (except during Internship I and II) is expected

### Advising

- Consult with the music education advisor for course selection

### Public School Partnerships

- Students are expected to be in public schools on a regular basis. 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 EME 2040.
- 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 (0-8 hrs)

**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

**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.
- 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 revi-
sion 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.)

**College of Arts and Sciences**

**Department of Music, CNH 205**

[http://www.cas.ucf.edu/music/](http://www.cas.ucf.edu/music/)

**E-Mail:** music@mail.ucf.edu

John Almeida, E-mail: arsantiqua@alo.com; 407-823-2510

George Weremchuk, E-mail: gwweremch@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** *(see General Education program for detailed information)*

   **A. Communication Foundations**
   - Select SPC 1600 9 hrs

   **B. Cultural and Historical Foundations**
   - Select one course from 1.B.1 list 3 hrs
   - Select MUH 4212 History and Literature II 3 hrs

   **(36 hrs)**

   **C. Mathematical Foundations**
   - Select MGF 1106 Finite Mathematics 3 hrs
   - Prefer STA 1060C 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 IIA** 2 hrs
   - MUT 1112* Music Theory IIB 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 2246* Ear Training & Sight Singing IIA 1 hr
   - MUT 2247* Ear Training & Sight Singing IIB 1 hr

   **Note:** Students must take a Natural Science class with the lab and should select a course that fulfills the GEP requirement.

   **MV/B MV/M M/W Performance or composition (four including two semesters of Level IV)** 8 hrs

   **MUN XXXX Major Ensemble (four semesters)** 4 hrs

3. **Core Requirements** *(18 hrs)*

   **MVK 3131 Class Piano III (or proficiency)** 0-1 hr
   - **MVK 4141 Class Piano IV (or proficiency)** 0-1 hr
   - **MVS 4010 Music Forum (eight semesters)** 0 hrs
   - **MUT 3571 20th Century Musical Analysis** 3 hrs

   **MV/B MV/M M/W Performance or composition (four including two semesters of Level IV)** 8 hrs

   **MUN XXXX Major Ensembles** 2 hrs

4. **Specialty Requirements** *(24 hrs)*

   **Piano**
   - **MUL 3400 Piano Literature I** 2 hrs
   - **MUL 3401 Piano Literature II** 2 hrs
   - **MVK 3460 Piano Pedagogy I** 1 hr
   - **MUK 3461 Piano Pedagogy II** 1 hr

   **Ensembles**
   - Major Not required 0 hrs
   - Minor-MUN 3453 Piano Ensemble 2 hrs
   - Restricted Electives 10 hrs

   **Guitar**
   - **MUS 3432 String Literature** 2 hrs
   - **MVS 4640 String Pedagogy** 2 hrs

   **Ensembles**
   - Major Not required 0 hrs
   - Minor-MUN 3483 String Ensemble 2 hrs
   - Restricted Electives 18 hrs

   **Voice**
   - **FRE 1005 French Diction** 1 hr
   - **GER 1005 German Diction** 1 hr
   - **ITA 1005 Italian Diction** 1 hr
   - **MVF 4641 Voice Pedagogy I** 1 hr
   - **MVF 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

   **Ensembles**
   - Major-MUN 3313 University Chorus 2 hrs
   - Minor-MUN XXXX 4 hrs
   - Restricted Electives 10 hrs

   **Woodwinds**
   - **MUN XXXX Major Ensemble** 2 hrs
   - **MUN XXXX Minor Ensemble** 4 hrs
   - **MUL 3441 Woodwind Literature** 2 hrs
   - **MVB 3630 Woodwind Pedagogy** 2 hrs
   - **MVK 4641 Piano Pedagogy II** 1 hr
   - **MUL 3605 French Song Literature** 1 hr

   **Ensembles**
   - Major-MUN 3313 University Chorus 2 hrs
   - Minor-MUN XXXX 4 hrs
   - Restricted Electives 10 hrs

   **Brass**
   - **MUN XXXX Major Ensemble** 2 hrs
   - **MUN XXXX Minor Ensemble** 4 hrs
   - **MUL 3442 Brass Literature** 2 hrs
   - **MVS 4640 Brass Pedagogy** 2 hrs
   - **MVS 4640 String Pedagogy** 2 hrs

   **Ensembles**
   - Major-MUN 3313 University Chorus 2 hrs
   - Minor-MUN XXXX 4 hrs
   - Restricted Electives 10 hrs

   **Percussion**
   - **MUN XXXX Major Ensemble** 2 hrs
   - **MUN XXXX Minor Ensemble** 4 hrs

   **Ensembles**
   - Major-MUN 3313 University Chorus 2 hrs
   - Minor-MUN XXXX 4 hrs
   - Restricted Electives 10 hrs

   **MVS 4640 String Pedagogy** 2 hrs
   - **MUL 3400 Piano Literature I** 2 hrs
   - **MUL 3401 Piano Literature II** 2 hrs
   - **MVK 3460 Piano Pedagogy I** 1 hr
   - **MUK 3461 Piano Pedagogy II** 1 hr

   **Ensembles**
   - Major Not required 0 hrs
   - Minor-MUN 3483 String Ensemble 2 hrs
   - Restricted Electives 18 hrs

   **Voice**
   - **FRE 1005 French Diction** 1 hr
   - **GER 1005 German Diction** 1 hr
   - **ITA 1005 Italian Diction** 1 hr
   - **MVF 4641 Voice Pedagogy I** 1 hr
   - **MVF 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

   **Ensembles**
   - Major-MUN 3313 University Chorus 2 hrs
   - Minor-MUN XXXX 4 hrs
   - Restricted Electives 10 hrs

   **Woodwinds**
   - **MUN XXXX Major Ensemble** 2 hrs
   - **MUN XXXX Minor Ensemble** 4 hrs
   - **MUL 3441 Woodwind Literature** 2 hrs
   - **MVB 3630 Woodwind Pedagogy** 2 hrs
   - **MVK 4641 Piano Pedagogy II** 1 hr
   - **MUL 3605 French Song Literature** 1 hr

   **Ensembles**
   - Major-MUN 3313 University Chorus 2 hrs
   - Minor-MUN XXXX 4 hrs
   - Restricted Electives 10 hrs

   **Brass**
   - **MUN XXXX Major Ensemble** 2 hrs
   - **MUN XXXX Minor Ensemble** 4 hrs
   - **MUL 3442 Brass Literature** 2 hrs
   - **MVS 4640 Brass Pedagogy** 2 hrs
   - **MVS 4640 String Pedagogy** 2 hrs

   **Ensembles**
   - Major-MUN 3313 University Chorus 2 hrs
   - Minor-MUN XXXX 4 hrs
   - Restricted Electives 10 hrs

   **Percussion**
   - **MUN XXXX Major Ensemble** 2 hrs
   - **MUN XXXX Minor Ensemble** 4 hrs

   **Ensembles**
   - Major-MUN 3313 University Chorus 2 hrs
   - Minor-MUN XXXX 4 hrs
   - Restricted Electives 10 hrs
A 2.0 UCF GPA

10. University Minimum Exit Requirements
   - A 2.0 UCF GPA
UCF Degree Programs

students during their sophomore year and to students in the Military Enlisted Commissioning Program (MECSP). For specific information about early acceptance, contact the School of Nursing.

Graduates are eligible to take the licensing examination for registered nurses (NCLEX). The program is accredited by the National League for Nursing, 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 the School of Nursing office.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations
     - Information Technology 9 hrs
   - B. Cultural Historical Foundations
     - Information Technology 9 hrs
   - C. Mathematical Foundations
     - MAC 1105 6 hrs
     - Select STA 2014C or STA 2023 3 hrs
   - D. Social Foundations
     - 6 hrs
     - Select both SYG 2000 and PSY 2012* 9 hrs
     - Select ECO 2013 or ECO 2023 3 hrs
   - E. Science Foundations:**
     - 6 hrs
     - Select BSC 2010 or BSC 2093 or BSC 1031 (and lab) 6 hrs

* One of these courses is required to meet General Education requirements, but both are required program prerequisites.
** Science Foundations is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (22 hrs)
   - PSY 2012 General Psychology** 3 hrs
   - SYG 2000 Sociology** 3 hrs
   - MCB 2093C Health Microbiology 3 hrs
   - CHM 1032L General Chemistry and lab** 4 hrs
   - ZOO 1733C Human Anatomy* 4 hrs
   - PCB 3020C Human Physiology* 4 hrs
   - STA 1024 or STA 2024 Principles of Statistics** 3 hrs
   - SOW 1034 Assessing Human Development or 3 hrs
   - DEP 2004 Developmental Psychology 3 hrs
   - HUN 3011 Human Nutrition 3 hrs

* May take Psychology sequence of six-eight total credits.
** Also meets General Education Requirements. The first semester of a two semester general chemistry course does not meet requirement.

3. Core Requirements (63 hrs)
   - NUR 3028L Therapeutic Interv. for Health Prof. 1 hr
   - NUR 3065 Health Assessment 3 hrs
   - NUR 3165 Nursing Research 3 hrs
   - NUR 3225 Promoting Physical & Mental Health 5 hrs
   - NUR 3225L Clin Pract in Prom Phys/Mental Health 4 hrs
   - NUR 3616 Promoting Healthy Families 3 hrs
   - NUR 3616L Clin Pract in Promot Healthy Fam 3 hrs
   - NUR 3617 Promoting Healthy Communities 3 hrs
   - NUR 3825 Role of the Professional Nurse 2 hrs
   - NUR 3128 Pathophysiology & Pharmacology 3 hrs
   - NUR 4525 Nursing Intervention in Mental Illness 2 hrs
   - NUR 4525L Clinical Practice w/ Mentally Ill Client 1 hr
   - NUR 4636 Community as the Continuum of Care 3 hrs
   - NUR 4636L Clinical Pract in Comm.-Orient Nrsng 2 hrs
   - NUR 4745 Nursing Care of Clients w/ Acute Ill. 4 hrs
   - NUR 4745L Clinical Practice in Acute Illness 4 hrs
   - NUR 4827 Leadership & Management Principles 3 hrs
   - NUR 4945L Directed Nursing Practice 4 hrs
   - NUR 4835 Role Transition 2 hrs
   - NUR 4837 Health Care Issues, Policy, & Econ 3 hrs
   - NUR 4900X Nursing Elective 3 hrs
   - Any variation from the above must be approved by the School of Nursing.

4. Upper Division Restricted Electives (3 hrs)
   - Nursing Elective: Any School of Nursing Elective approved by advisor
   *Some NUR 4945L placements require an elective to be taken concurrently.

5. Departmental Continuation and Exit Requirements
   - Completion of all courses in major with a grade of "C" (2.0) or better
   - UCF GPA of 2.5 or above
   - 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 Administration

Transfer Notes: Examples of Community College Equivalent Courses - Prerequisites

General Psychology (PSY X012) or any General Psychology course 3 hrs
   - General Sociology (SYG X010) or any Intro to Sociology course 3 hrs
   - Statistics (STA 2023 or 2024) or any Statistics course 3 hrs
   - General Chemistry (CHM 1024 or any other comprehensive chemistry course w/lab)* 4 hrs
   - Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086) 6-8 hrs
   - General Microbiology (MCB 3200C) (MCB X010C) or any Microbiology course w/lab 4 hrs
   - Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course 3 hrs
   - Human Nutrition with therapeutic nutrition focus 3 hrs

* 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
   - Honors Option Requires:
     - Completion of a three credit directed readings course
     - Completion of a three credit thesis course
     - Open to students with a minimum 3.5 GPA in Nursing
     - Minimum cumulative UCF 3.2 GPA
     - Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Tentative Course Schedule for Entering Freshmen
### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>SYG 2000</td>
<td><strong>CHEM 1105</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENC 1101</td>
<td><strong>CHEM 1102</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MAC 1105</td>
<td><strong>STA 2014C or STA 2023</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BSC 2010C</td>
<td><strong>ZOO 3733C</strong></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PSY 3</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>POS 2041 or ECO 2013 or ECO 2023</td>
<td><strong>EUM 2001 or HUM 2230</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EUH 2000 or HUM 2211</td>
<td><strong>or AMH 2010 or WOH 2012</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PCB 3703C</td>
<td><strong>MCB 2004C</strong></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>SOW 3104 or DEP 2004</td>
<td><strong>SUMMER A</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HUN 3011</td>
<td><strong>NUR 4837 Health Care Issues, Policy, &amp; Econ</strong></td>
<td>3</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>NUR 3825</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>NUR 3065</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3026L</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>NUR 3017</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3616</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3616L</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### Spring Semester

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>NUR 3165</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3000 Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>NUR 4745</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>NUR 4745L</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>NUR 4525</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>NUR 4525L</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>NUR 4827</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 4945L</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

### Summer A

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>NUR 3615</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>NUR 3000 Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### Spring Semester

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>NUR 4835</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>NUR 4636</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>NUR 4837</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>NUR 4945L</strong></td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

### Other:
- *SPC 1600 required*
- **Some Directed Nursing Practice (NUR 4945L) placements require an elective as a concurrent course.**

### NURSING (B.S.N.)

#### B. RN TO BSN PROGRAM

(Completion program for individuals who are licensed RN’s)

- College of Health and Public Affairs
- HPA 1220, 407-823-2744
- 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/](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 Nursing Program

#### UCF Residency Requirement: 30 hours

#### The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

### 1. UCF General Education Program (36 hrs)

- A. Communication Foundations
- B. Cultural Historical Foundations
- C. Mathematical Foundations
- D. Social Foundations
- E. Science Foundations

### 2. Common Program Prerequisites (21 hrs)

- PSY 2012 General Psychology**
- SYG 2000 Sociology**
- PCB 3703C Health Microbiology
- CHM 1032L General Chemistry and lab**
- MCB 2004C Health Microbiology
- ZOO 3733C Human Anatomy**
- MCB 2004C Health Microbiology
- STA 2014C Principles of Statistics**
- STA 2023 Principles of Statistics**
- SOW 3104 Assessing Human Development or
- DEP 2004 Developmental Psychology
- HUN 3011 Human Nutrition

### 3. Core Requirements (55 hrs)

- NUR 3006 Transition Concepts in Nursing I
- NUR 3065 Health Assessment
- NUR 3165 Nursing Research/Critical Inquiry
- NUR 4084 Transition Concepts in Nursing II
- NUR 4636 Community as Continuum of Care
- NUR 4636L Clin Prac in Comm-Oriented Nursing
- NUR 4827 Leadership and Management Principles
- NUR 4837 Health Care Issues, Policy, & Econ
- NUR 4912C Practicum & Role Development for RNs

### Validation Credit

- 28 hrs

### 4. Upper Division Restricted Elective (3 hrs)

- NUR XXXX Any Nursing Elective

### 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

### 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 res-
UCF Degree Programs

- Identity at UCF
  - A 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, Social Work, All health programs

Related Minors: Aging Studies Certificate, Health Sciences, Health Services Administration, Psychology

Sample Plan of Study

Semester I
- NUR3009 3
- NUR 3065 2
- NUR 3065L 1

Semester II
- NUR 3165 3
- NUR 4827 3

Semester III
- NUR 4084 3
- NUR XXXX (elective) 3

Semester IV
- NUR 4636 3
- NUR 4837 3
- NUR 4636L 2
- NUR 4812C 4

*Elective may be taken at any point.

Progression requirements:
- Prior to NUR 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
- Prior to NUR 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 Courses offered in Orlando and at regional campuses of Daytona, Cocoa, and Leesburg.

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 SECOND DEGREE

E. 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
Director: Jean Leuner
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
- Two 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 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

   NA

2. Common Program Prerequisites

   (31 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 2004C</td>
<td>Health Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032/L</td>
<td>General Chemistry and lab**</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 Principles of Statistics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>SOW 3104</td>
<td>Assessing Human Development or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Developmental Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* The first semester of a two semester general chemistry course does not meet requirement.
** May take Anatomy and Physiology sequence of six-eight total credits.

3. Core Requirements

   (53 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3026L</td>
<td>Therapet Inter. For Health Prof.</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3167</td>
<td>Accel Nursing Research Sem</td>
<td>1 hr*</td>
</tr>
<tr>
<td>NUR 3235</td>
<td>Promoting Physical &amp; Mental Health</td>
<td>5 hrs</td>
</tr>
<tr>
<td>NUR 3235L</td>
<td>Clin Pract in Prom Phys/Mental Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 3637</td>
<td>Accel Hlth Fam and Comm</td>
<td>5 hrs</td>
</tr>
<tr>
<td>NUR 3637L</td>
<td>Accelerated Clin Hlth Fam and Comm</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3825</td>
<td>Role of the Professional Nurse</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3128</td>
<td>Pathophysiology &amp; Pharmacology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>NUR 4525</td>
<td>Nursing Intervention in Mental Illness</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4525L</td>
<td>Clinical Practice w Mental Ill Client</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4639</td>
<td>Accel Comm Continuum</td>
<td>2 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 Ill</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4829</td>
<td>Accel Trans Leader</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Directed Nursing Practice</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4XXX</td>
<td>Nursing Elective</td>
<td>3 hrs **</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.
UCF Degree Programs

4. Upper Division Restricted Electives (3 hrs)
Nursing Elective:
May not be required. However, some NUR 4945L placements do require an elective to 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 3
General Sociology (SYG 2000) or any Intro to Sociology course 3
Statistics (STA 2014C or 2023) or any Statistics course 3
General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab)*
Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086) 6-8
General Microbiology (MCB 3020C) (MCB X010C) w/lab 4
or any Microbiology course w/lab
Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course 3
Human Nutrition with Therapeutic Nutrition course 3

* The first semester of a two semester general chemistry course does not meet requirement.

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

Summer 13 hrs
NUR 3625 2
NUR 3085 3
NUR 3020L 1
NUR 3637 5
NUR 3637L 2

Fall 14 hrs
NUR 3128 5
NUR 3225 5
NUR 3225L 4

Spring 15 hrs
NUR 4745 4
NUR 4745L 4
NUR 4525 2
NUR 4525L 1
NUR 3167 3
*NUR 3165 3

Summer 11 hrs
NUR 4829 3
NUR 4639 2
NUR 4638L 1
NUR 4945L 4
NUR 3XXX Elective** 3

UCF Degree Programs
Any variation from the above must be approved by the School of Nursing.

** Students without a research course on transcript must take NUR 3165
** Students may petition to waive elective requirements. Some Directed Nursing Practice (NUR 4945L) placements require an elective as a concurrent course.

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.)
College of Arts and Sciences
Nicholson School of Communication, COM 258
407-823-2852
http://www.cas.ucf.edu/communication
E-mail: communication@ucf.edu
Advising: See department.

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 can be used in this major
- 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
- Students electing both a major and minor in the School must take the minor courses in excess of the 120 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 & 1102 Composition 6 hrs
      Select SPC 1600 Fund Oral Communication 3 hrs
   B. Cultural and Historical Foundations 9 hrs
   C. Mathematical Foundations
      Select MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
      Select STA 2014C Principles of Statistics 3 hrs
   D. Social Foundations 6 hrs
   E. Science Foundations 6 hrs

2. Common Program Prerequisites (0 hrs)
   XXX XXXX 18 hrs of any GEP courses GEP

3. Core Requirements (21 hrs)
   STA 2014C Principles of Statistics GEP
   COM 3011C Communication & Human Relations 3 hrs
   COM 3311 Communication Research Methods 3 hrs
   PUR 4110C Public Relations Publications 3 hrs
   ENC 3250 Professional Writing 3 hrs
   SPC 3425C Group Interaction & Decision Making 3 hrs
   COM 3110 Business and Professional Communication 3 hrs
   COM 3120 Organizational Communication 3 hrs

4. Restricted Electives (9 hrs)
   Select from the following list:
   SPC 3513 Argumentation and Debate
   COM 3013 Communication and the Family
   COM 4014 Gender Issues in Communication
   COM 4461 Intercultural Communication
   COM 4462 Conflict Management
   COM 4941 Internship

5. External Restricted Electives (6 hrs)
A minimum of six upper division credit hours selected from courses in Business Law, Management, Marketing, or Hospitality Management.

6. School Exit Requirements
- Achieve a “C” (2.0) or better GPA in required UCF Communication courses.
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Computer Competency met by a Computer Science course 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, with school advisors approval. May be taken outside 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 hours

Related Programs: Interpersonal Communication
Related Minors: Interpersonal Communication, Mass 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 3
MGF 1106 req# 1C1-GEP 3
Elective* Check restrictions 4
SPH 1120 req# Lang/Elect 3

Spring
ENC 1102 Composition II 3
EUIH 2000 req# 1B1-GEP 3
Elective* Check restrictions 4
SPN 1121* req# Lang/Elect 3

Sophomore Year
Fall
ANT 2000* req# 1D2-GEP 3
BSC 1005* req# 1E2-GEP 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Spring
ART 2050* req# 1B3-GEP 3
MUL 2010* req# 1B2-GEP 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Junior Year
Fall
COM 3011C Com Rln 3
COM 3311 Com Res Methods 3
ENC 3501 Prof Writing 3
PUR 4110C Public Rln 3
Elective* Check restrictions 3

Spring
COM 3120 Org Communication 3
COM 4462* req# 4-ResElec 3
HFT 3600* req# 5-Ext RE 3
Elective* Check restrictions 3
Elective* Check restrictions 3

Senior Year
Fall
COM 3120 Org Communication 3
COM 4462* req# 4-ResElec 3
HFT 3600* req# 5-Ext RE 3
Elective* Check restrictions 3
Elective* Check restrictions 3

PHILOSOPHY (B.A.)
College of Arts and Sciences
Philosophy Department, CNH 411
http://www.cas.ucf.edu/philosophy
E-mail: philosophy@ucf.edu
Don Jones, 407-823-2273; Fax: 407-823-6658

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   A. Communication Foundations 9 hrs
   B. Cultural and Historical Foundations
      Select HUM 2211 Humanistic Traditions I 3 hrs
      Select HUM 2230 Humanistic Traditions II 3 hrs
      Select PHI 2010 Intro to Philosophy 3 hrs
   C. Mathematical Foundations
      Select MGF 1106 Infinite 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
   - none

3. Core requirements* (27 hrs)
   a. Core (0 hrs)
      HUM 2211 Humanistic Traditions I GEP
      HUM 2230 Humanistic 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
   c. Research Methods
      Select two courses:
      PHI 3083 Research Methods in Philosophy (6 hrs)
      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
   d. Applications
      Select three courses:
      PHI 4330 Performance Theory
      PHI 3626 Ethics in Science & Technology
      PHI 3022 Sexuality, Gender & Philosophy
      PHI 3033 Philosophy, Religion, and the Environment
4. Upper Division Restricted Electives (6 hrs)
Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

5. 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 (27 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 3400 Modern Western Philosophy
PHH 3600 Contemporary Philosophy

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 4951, 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 course work must be completed in residency at UCF
- A 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: Humanities, Humanitats - Religious Studies Track
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:
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.

PHOTOGRAPHY (B.S.)
College of Arts and Sciences
E-mail: ls@mail.ucf.edu
Advisors: Karen Cox (UCF-Orlando), 407-823-0144; Steve Spencer (UCF-Daytona), 386-506-4093
Liberal Studies Advising Team, Elliot Vittes, 407-823-0144
The Photography B.S. program is a joint program between the University of Central Florida and Daytona Beach Community College.

Admission Requirements
Completion of an A.S. in Photography from Daytona Beach Community College or equivalent coursework.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students must earn at least a "C" in each required course and maintain an overall GPA of at least 2.0
1. UCF General Education Program (36 hrs)

Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

A. Communication Foundations
   ENC 1101 Composition I AS
   ENC 1102 Composition II AS
   SPC 2600* Speech AS

B. Cultural and Historical Foundations
   A year sequence in AMH, EUH, HUM, or WOH 6 hrs
   ARH 2051 History and Criticism of Art II AS

C. Mathematical Foundations
   MAC 1105 College Algebra or
   MGF 2106 College Mathematics or
   MGF 2107 Mathematics for Liberal Arts AS

D. Social Foundations
   Political Science or Economics 3 hrs
   Psychology or Sociology AS

E. Science Foundation
   Physical Science 3 hrs
   Life Science 3 hrs

2. Common Program Prerequisites (0 hrs)
   Subject to change. Prerequisites have not been set by the state.
   ARH 2051 History and Criticism of Art II AS
   GRA 1741* Principles of Design and Color AS
   GRA 1100* Computer Graphics Fundamentals AS
   PGY 1403* Fundamentals of Photography AS
   PGY 3610C Photographic Lighting Techniques 3 hrs
   PGY 4xxx Photographic Lighting Techniques 3 hrs
   PGY 4xxx Digital Imaging 4 hrs
   PGY 2000 History and Aesthetics of Photography 3 hrs
   PGY 2107 Large Format Photography 4 hrs
   PGY 2215 Studio Lighting 4 hrs
   PGY 2216 Location Photography 4 hrs
   PGY 2655 Applied Photography 4 hrs

3. AS Required Courses: (49 hrs)
   (Completed as in the A.S. degree program in Photography, 2002-2003 catalog. Students graduating under different catalogs may substitute equivalent courses)
   CGS 1570 Introduction to Computer Applications 1 hr
   GRA 1741 Principles of Design and Color 3 hrs
   GRA 1100 Computer Graphics Fundamentals 3 hrs
   PGY 2000 Digital Imaging 4 hrs
   PGY 2215 Digital Imaging 3 hrs
   PGY 2216 Location Photography 3 hrs
   PGY 2655 Applied Photography 4 hrs

4. Upper Division Required Courses (39 hrs)
   PGY 3xxx Contemporary Photography 3 hrs
   ARH 3711 History of Photography II 3 hrs
   CRW 3xx Creative Writing for Non-Majors 3 hrs
   PGY 3xxx Digital Imagery for Photography 3 hrs
   PGY 3610C Photojournalism I 3 hrs
   PGY 3620C Photojournalism II 3 hrs
   PGY 4xxx Photography Workshop/Project 3 hrs
   PGY 4xxx Advanced Illustrative Photography 3 hrs
   SGY 4xxx Photography Thesis 3 hrs
   SGY 3xxx The Professional Environment 3 hrs
   PGY 3xxx Photographic Lighting Techniques 3 hrs
   PGY 3xxx Photographic Exhibition and Display 3 hrs

5. Upper Division Restricted Electives (3 hrs)
   Select one of the following courses.
   PGY 3xxx Alternative Processes 3 hrs
   PGY 3xxx Photography and Web Design 3 hrs
   PGY 3xxx Videography 3 hrs
   PL A 3xx Law and the Visual Arts 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

2. Common Program Prerequisites (25 hrs)

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 42 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 127 hours

Community College Transfer Notes

- Students transferring from any Florida public institution with an A.A. degree or with the general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable substitutes for General Education and Common Program Prerequisites

- ARH 1000* May substitute ARH 2500 or ARH 2050
- GRA 1741* May substitute GRA 2111C
- GRA 1800* May substitute GRA 2140C

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 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:

- 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
     SPC 1600 Fundamentals of Oral Communication
   - B. Cultural-Historical Foundations (9 hrs)
     AMH 2010 U.S. History 1492-1877
     AMH 2020 U.S. History 1877-Present
     PHI 2010 Introduction to Philosophy
   - C. Mathematical Foundations (6 hrs)
     MGF 1106 Finite Mathematics
     Select one:
     STA 1060C Basic Statistics using MS Excel or
     STA 2014C Principles of Statistics
   - D. Social Foundations (6 hrs)
     POS 2041 American National Government
     PSY 2012 General Psychology
   - E. Science Foundations (7 hrs)
     PSC 1121 Physical Science
     BSC 2010C Biology I

2. Common Program Prerequisites (25 hrs)

- A 2.0 UCF GPA
- 60 semester hours earned after any CLEP award
- 42 semester hours of upper division credit completed.
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Military credit permitted
- Completion of the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)
A. Communications (9 hrs)
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP
- SPC 1600 Fundamentals of Oral Communication GEP

B. Humanities (6 hrs)
- PHI 2010 Introduction to Philosophy GEP
- 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

C. Mathematics (9 hrs)
- MAC 2233 College Algebra 3 hrs
- MGF 2302 Finite Mathematics GEP
- One of the following (per GEP)
  - STA 1060C Basic Statistics using MS Excel or
  - STA 2014C Principles of Statistics

D. Social Science/History (12 hrs)
- ANH 2010 U.S. History 1492-1877 GEP
- ANH 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
- BSC 2010C Biology I GEP
- Select one:
  - AST 2002 Astronomy or
  - GEO 1200 Physical Geography or
  - GLY 1030 Geology and Its Applications

F. Education Course (9 hrs)
- EDF 2005 Introduction to Education 3 hrs
- EDF 2701 Teaching Diverse Populations 3 hrs
- EME 2040 Technology for Educators 3 hrs

G. Diversity Courses
- GPA 2011
- Select one:
  - PSC 1121 Physical Science GEP
  - BSC 2010C Biology I GEP

3. Education Core Requirements (15 hrs)
- EDG 4323 Professional Teaching Practices 3 hrs
- EDF 4890 Analysis of Critical Issues in Education 3 hrs
- EDF 4214 Classroom Learning Principles 3 hrs
- TSL 4080 Try & Prac Teaching ESL Students in Schools 3 hrs
- RED 4043 Content Reading K-12 3 hrs

4. Specialization Requirements (30 hrs)
- ZOO 3736C Human Anatomy with Lab 4 hrs
- Select one:
  - PEO 2011 Team Sports or
  - PEO 2031 Indiv. Sports and Leisure Activities

5. Internship I and Methods Block (6 hrs)
- PET 3940 Internship I (3 hrs)
- PET 4710 Teaching Physical Education K-12 (3 hrs)
- EDG 4323 must be completed with a minimum grade of "C-" prior to Internship I
- PET 4710 must be taken concurrently with PET 3940
- Junior/senior standing required. Normally taken during next to last full time semester
- See additional requirements in College of Education, Office of Clinical Experiences

6. Internship II (PET 4943) (12 hrs)
- All methods/specialization courses must be completed with a letter grade of "C-" or better before registering for Internship II
- See additional requirements in 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 the State Board of Education Rule 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 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.

11. Certification and Endorsement
- K-12 Certification (Required by Florida Department of Education) (6 hrs)
  - PET 3765 Coaching Theory 3 hrs
  - PET 4550 Fitness Assessment and Exercise 3 hrs
- Coaching Endorsement (Optional) (6 hrs)
  - Select one of the following courses:
  - PET 3765 Coaching Theory 3 hrs
  - PEO 2624 Coaching Basketball 3 hrs
  - PEO 3324 Coaching Volleyball 3 hrs
  - PEO 3644 Coaching Football 3 hrs

12. Recommended Sequence of Program Courses:

Freshman Year
- Fall (13 hrs)
  - BSC 2010C 4 hrs
  - EDF 2005 3 hrs
  - ENC 1102 3 hrs
  - MAC 1105 3 hrs
  - MGF 1106 3 hrs
  - PSC 1121 3 hrs
- Spring (15 hrs)
  - EDF 2701 3 hrs
  - ENC 1102 3 hrs
  - MAC 1105 3 hrs
  - MGF 1106 3 hrs
  - PSY 2012 3 hrs
  - STA 2014C 3 hrs

Sophomore Year
- Fall (13 hrs)
  - AMH 2010 3 hrs
  - ENC 1102 3 hrs
  - MAC 1105 3 hrs
  - MGF 1106 3 hrs
  - PEO 2011 3 hrs
- Spring (15 hrs)
  - AMH 2020 3 hrs
  - ENC 1102 3 hrs
  - MAC 1105 3 hrs
  - MGF 1106 3 hrs
  - PEO 2031 3 hrs

Junior Year
- Fall (15 hrs)
  - ARH 2050 3 hrs
  - DAE 3370 3 hrs
  - EDG 4323 3 hrs
  - PEO 3041 3 hrs
- Spring (12 or 15 hrs)
  - PET 4233 3 hrs
  - PEO 4001 3 hrs
  - PEO 4312 3 hrs

Senior Year
- Fall (15 hrs)
  - ARH 2050 3 hrs
  - DAE 3370 3 hrs
  - EDG 4323 3 hrs
  - PEO 3041 3 hrs
- Spring (12 or 15 hrs)
  - PET 4233 3 hrs
  - PEO 4001 3 hrs
  - PEO 4312 3 hrs
UCF Degree Programs

Students who change degree programs and select this major must adopt the most current catalog. Courses at a 3000 level or higher, approved by the Physics Department.

1. UCF General Education Program (36 hrs)

A. Communication Foundations
Select ENC 1101 English Composition I 3 hrs
Select ENC 1102 English Composition II 3 hrs
Select SPC 1016 Oral Comm for Tech Prof 3 hrs

B. Cultural and Historical Foundations
Select MAC 2311 Calculus with Analy Geo I 4 hrs
Select COP 3223 Computer Programming 3 hrs

C. Mathematical Foundations
Select MAC 2311 Calculus with Analy Geo I 4 hrs
Select COP 3223 Computer Programming 3 hrs
Select PHY 2048 & L Physics for Sci & Eng I 4 hrs
Select a GEP course from Science Section 2 3 hrs

2. Common Program Prerequisites (20 hrs)

CHM 2404C
CHW 2406 & L

MAC 2311
MAC 2312
MAC 2313

Phys 2048 & L
Phys 2049 & L

*See Transfer Notes for possible substitutes

3. Core requirements (all tracks) (36 hrs)

MAP 2302
PHY 3101
PHZ 3113

PHY 3513
PHY 3323

PHY 4324
PHY 4604
PHY 4605

4. Specialization: select one specialization (18 hrs)

4.1 General Physics Specialization

PHY 4803L Advanced Physics Lab 3 hrs

4.2 Materials Physics Specialization

EEL 3306 Semiconductor Devices 3 hrs

4.3 Optics and Lasers Specialization (18 hrs)

PHY 4424L Optical Physics Laboratory 3 hrs

4.4 Computational Physics Specialization (18 hrs)

PHZ 3151 Computer Methods in Physics 3 hrs

4.5 Astronomy Specialization (18 hrs)

AST 3002 Introduction to Astronomy 3 hrs

5. Departmental Exit Requirements

Students must have at least a 2.0 GPA in all courses counted toward the 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: None

7. Electives (variable)

Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.
8. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120 hours

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 2046*: 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

Fall
- ANT 2000* req# 1D2-GEP 3
- ENC 1101 Composition I 3
- MAC 2311 Calculus I 4
- CHM 2046 Chemistry Fund I 4

Spring
- ENC 1102 Composition II 3
- PHY 2048 Phy for Eng Sci I 3
- PHY 4324 Elect Mag II 3
- MAC 2312 Calc Anal Geo II 4

Sophomore Year
- COP 3223 Intro to Prog C 3
- HUM 2211* req# 1B1-GEP 3
- SPC 1016 Fund Tech Presntn 3
- MAC 2313 Calc Anal Geo III 4
- PHY 2049 Phy for Eng Sci II 3
- PHY 2049L Phy L Eng Sci II 1

Spring
- MUL 2010* req# 1B2-GEP 3
- MAP 2302 Diff Equations 3
- PHY 3101 Phy Eng Sci III 3
- PHY 3802L Intro Phys L 3
- PHY 3113 Intro Ther Mth of 3

Junior Year
- ARH 2050* req# 1B3-GEP 3
- PHY 3220 Mechanics I 3
- PHY 3323 Elect Mag I 3
- PHY 4604 Wave Mechanics I 3
- COP 3502* req# 4-Spec 3

Spring
- POS 2041 American National Government GEP 3
- POS 3703* Scope & Methods of Pol Sci 3
- POS 3627 Cultural Pluralism and the Law 3
- STA 1060C Statistics Using Excel 3

Senior Year
- PHY 3513 Thermal & Stat Phy 3
- PHY 4912 Ind Research 3
- PHY 3722C Physics L Elect 3

Spring
- PHY 2048L Phy L Eng Sci I 1
- PHY 4424* req# 4-Spec 3
- PHY 3513 Thermal & Stat Phy 3

POLITICAL SCIENCE (B.A.)

College of Arts and Sciences
Political Science Department, CNH 415, 407-823-2608
http://pegasus.cc.ucf.edu/~politics
E-mail: politics@uch.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)
   - Communication Foundations:
     - Select ENC 1101, ENC 1102 6 hrs
     - Select SPC 1600 3 hrs
   - Cultural and Historical Foundations:
     - Prefer AMH 1020 US History: 1492-1877 and AMH 2020 US History: 1877-Present 3 hrs
     - Select from GER B.2 list 3 hrs
   - Mathematical Foundations:
     - Select MGF 1106 Finite Mathematics 3 hrs
     - (may substitute a higher level math)
     - Select STA 2014C Principles of Statistics or STA 2060C Statistics Using Excel 3 hrs
   - Science Foundations:
     - Select POS 2041 American National Government 3 hrs
     - Select one of the three choices 3 hrs
     - Select POS 2042 3 hrs

2. Common Program Prerequisites (3 hrs)
   - POS 2041* American National Government GEP 3 hrs
   - POS 3703* Scope & Methods of Pol Sci 3 hrs
   - *See Transfer Notes for possible substitutes

3. Core (0 hrs)
   - POS 2041 3 hrs
   - POS 3703 Scope & Methods of Pol Sci 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.

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 3122 State Government & Public Policy 3 hrs
   - POS 3173 Southern Politics 3 hrs
   - POS 3182 Florida Politics 3 hrs
   - POS 3233 Public Opinion 3 hrs
   - POS 3235 Mass Media and Politics 3 hrs
   - POS 3288 Politics in Film 3 hrs
   - POS 3273 Voting and Elections 3 hrs
   - POS 3413 The American Presidency 3 hrs
   - POS 3424 Congress and the Legislative Process 3 hrs
   - POS 3443 Political Parties and Processes 3 hrs
   - POS 3463 Interest Groups 3 hrs
   - POS 3627 Cultural Pluralism and the Law 3 hrs

UCF Degree Programs

219
6. Foreign Language Requirements

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

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 residency at UCF
- A 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, 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 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 courses 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
Fall
AMH 2020 U S His 1492 1877 3
ENC 1101 Composition I 3
MGF 1106 req# 1C1-GEP 3
ENG 1121 U S His 1877 Pres 3
Spring
AMH 2020 U S His 1492 1877 Pres 3
ENG 1102 Composition II 3
ENG 2041 Amer National Gvt 3
PSY 2012* req# 1D2-GEP 3

Sophomore Year
Fall
AMH 2020 U S His 1492 1877 3
ENG 1101 Composition I 3
NEG 1121 U S His 1877 Pres 3
Spring
ENG 1102 Composition II 3
ENG 2041 Amer National Gvt 3
ENG 2041 Amer National Gvt 3
PSY 2012* req# 1D2-GEP 3

Junior Year
Fall
AMH 2020 U S His 1492 1877 3
ENG 1101 Composition I 3
ENG 2041 Amer National Gvt 3
Spring
ENG 1102 Composition II 3
ENG 2041 Amer National Gvt 3
ENG 2041 Amer National Gvt 3

Graduation:
Maintain a minimum GPA of 2.0 in the major
Computer Competency met by POS 3703
CPO 3034* req# 4B-Res/Elec 3  Elective* Check restrictions 3
Elective* Check restrictions 3  Elective* Check restrictions 3

Senior Year
Fall
CPO 3034* req# 4B-Res/Elec 3  POS 3173* req# 4 A,B,C 3
Elective* Check restrictions 3  Elective* Check restrictions 3
Elective* Check restrictions 4  Elective* Check restrictions 3
Elective* Check restrictions 3  Elective* Check restrictions 3

Spring
POT 3204* req# 4C-Res/Elec 3  INR 2002* International Relations-Theory 3 hrs
Elective* Check restrictions 3  Elective* Check restrictions 3
Elective* Check restrictions 4  Elective* Check restrictions 3
Elective* Check restrictions 3  Elective* Check restrictions 3

OTHER

Regional
CPO 3034 Politics of Developing Areas 3 CPO 4643 Government and Politics of Russia
CPO 3104 Politics of Western Europe 3 CPO 4710 Women in Comparative Politics
CPO 3403 Politics of the Middle East 3 CPO 5334 Contemporary Politics of Russia
CPO 3614 Politics of Eastern Europe 3 POS 3253 Contemporary Revolution and Political Violence
CPO 4062 Comparative Judicial Process 3
CPO 4074 Political Economy 3
CPO 4104 European Union Politics 3
CPO 4123 Government and Politics of Great Britain 3
CPO 4303 Comparative Latin American Politics 3
CPO 4553 Politics of Japan 3

POLITICAL SCIENCE (B.A.) - INTERNATIONAL STUDIES TRACK

College of Arts and Sciences
Political Science Department, CHN 415, 407-823-2608
http://pegasus.cc.ucf.edu/~politics
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
   A. Communication Foundations (9 hrs)
   B. Cultural and Historical Foundations (3 hrs)
   Prefer WTO 2012 World Civilization I and WTO 2022 World Civilization II
   Select from GEP list
   C. Mathematical Foundations (6 hrs)
   Select MGF 1106 Finite Mathematics
   Select STA 2014C Principles of Statistics or STA 1060C Statistics Using Excel
   (may substitute a higher level math)
   Select STA 2014C Principles of Statistics or STA 1060C Statistics Using Excel (3 hrs)
   D. Social Foundations (6 hrs)
   Select POS 2041 American National Government
   Select one of the three choices
   E. Science Foundations (6 hrs)
   Select from the following: Asian Studies, French, German, Spanish, related Programs: Economics, History, International Business (Business majors only), Italian, Latin American Studies, Middle East Studies, or Spanish. Standardized exami-
   nations in a foreign language taught by the Department of Modern Language and Literatures or Judaic Studies are required.

2. Common Program Prerequisites
   INR 2002* International Relations-Theory and Practice 3 hrs
   POS 2041* American National Government 3 hrs
   *See Transfer Notes for possible substitutes.

3. Core Requirements
   INR 2002 International Relations-Theory and Practice 3 hrs
   POS 2041 American National Government 3 hrs
   ECO 2013 Principles of Microeconomics 3 hrs
   GEO 2470 World Political Geography 3 hrs
   IDS 4315 Global Perspectives 3 hrs
   CPO 3103 Comparative Politics 3 hrs
   POS 3703 Scope and Methods of Political Science 3 hrs
   INR 4603 International Relations Theory 3 hrs

   4. Restricted Electives
   Regional
   CPO 3034 Politics of Developing Areas 3
   CPO 3104 Politics of Western Europe 3
   CPO 3403 Politics of the Middle East 3
   CPO 3614 Politics of Eastern Europe 3
   CPO 4062 Comparative Judicial Process 3
   CPO 4074 Political Economy 3
   CPO 4104 European Union Politics 3
   CPO 4123 Government and Politics of Great Britain 3
   CPO 4303 Comparative Latin American Politics 3
   CPO 4553 Politics of Japan 3

   Functional
   9 hrs
   INR 3253 International Politics of Africa
   INR 4030 International Relations of Asia
   INR 4075 Human Rights Policy
   INR 4074 Immigration Policy
   INR 4304 Issues in International Public Policy
   INR 4714 Politics of International Trade Policy
   INR 4864 The Intelligence Community
   INR 4603 International Relations Theory
   INR 4035 International Political Economy
   INR 4085 Women, Gender, and Globalization
   INR 4102 American Foreign Policy
   INR 4104 Topics and Cases in American Foreign Policy
   INR 4114 Advanced American Security Policy
   INR 4115 Strategic Weapons and Arms Control
   INR 4224 Contemporary International Politics of Asia
   INR 4243 International Politics of Latin America
   INR 4304 Issues in International Public Policy
   INR 4335 Coercion in International Politics
   INR 4351 International Environmental Law
   INR 4401 International Law I
   INR 4402 International Law II
   INR 4404 Space Law
   INR 4502 International Organizations
   INR 4941 Internship (a maximum of 3 hours)
   PUP 4503 Government and Science
   PUP 4510 Space Policy

   Other courses may be substituted with the chair's approval.

5. Required minor
   (18 hrs minimum)
   Select from the following: Asian Studies, French, German, International Business (Business majors only), Italian, Latin American Studies, Middle East Studies, or Spanish.
   Not: 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 minimum)
   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 exami-
   nations 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 residency at UCF.
   ■ A 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, 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 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 Arts and Sciences
Political Science Department, CNH 415, 407-823-2608
http://pegasus.cc.ucf.edu/~politics
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 6 hrs
- Select SPC 1600 3 hrs

B. Cultural and Historical Foundations
- Prefer AMH 1010 US History: 1492-1877 and AMH 2020 US History: 1877-Present 3 hrs
- Select from GEP B.2 list 3 hrs

C. Mathematical Foundations
- Select MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
- Select STA 2014C Principles of Statistics or STA 1060C Statistics Using Excel 3 hrs

D. Social Foundations
- Select POS 2041 American National Gvt 3 hrs
- Select one of the three choices 3 hrs
- Select SPC 1600* req# 1A3-GEP 3 hrs

2. Common Program Prerequisites (3 hrs)
- POS 2041* American National Gvt 3 hrs
- POS 3703* Scope & Methods of Pol Sci 3 hrs
- *See Transfer Notes for possible substitutes

3. Core (0 hrs)
- POS 2041 American National Government 3 hrs
- POS 3703 Scope & Methods of Pol Sci 3 hrs

4. Upper Division Restricted Electives (30 hrs)

4.1 Select one of the following:
- POS 4603 American Constitutional Law I 3 hrs
- POS 4604 American Constitutional Law II 3 hrs
- INR 4401 International Law I 3 hrs
- INR 4402 International Law II 3 hrs

4.2 Select one (See listing under Political Science)
- Five courses from area A and 15 hrs
- Two courses from area B 6 hrs
- or
- Two courses from area A and 6 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 3202,3321 Business Law I & II
- PLA 3104 Legal Research
- PLA 3315 Legal Writing
- PHIL 2101 Critical Thinking
- MHF 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 residency at UCF
- A 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, History, Philosophy

Related Minors: Economics, History, English, 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 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 numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year
Fall
AMH 2010 U.S. History 3 hrs
EN 1101 Composition I 3 hrs
MGF 1106* req# 1A1-GEP 3 hrs
POS 2041 American National Government 3 hrs
Spring
AMH 2020 U.S. History 3 hrs
EN 1102 Composition II 3 hrs
REL 2300* req# 1A3-GEP 3 hrs
POS 2041 American National Government 3 hrs
C. Mathematical Foundations
A. Communication Foundations 9 hrs

PSY 4970H Undergraduate Honors Thesis 3 hrs

Have an overall UCF GPA above 3.2

Application and admission through the department

Additional Requirements (6 hrs)
Honors in Psychology:

Select one of the listed choices 3 hrs

1. UCF General Education Program (36 hrs)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 3 hrs
Select MGF 1106 Finite Math (may substitute a more advanced math)
Select STA 2023 Statistical Methods I or STA 2014C Principles of Statistics 3 hrs
D. Social Foundations 3 hrs
Select one of the listed choices 3 hrs

B. General Diversity courses

Select six additional upper division hours in Psychology 6 hrs

5. Diversity courses (9 hrs)
Take three diversity courses: one from A, one from B, and one from either A or B

A. Psychology Diversity courses
CLP 3184 Women's Mental Health
DEP 3464 Psychology of Aging
SOP 3723 Cross Cultural Psychology
SOP 3724 Psychology of Racial Prejudice
SOP 3742 Psychology of Women
SOP 2772 Sexual Behavior
SOP 3784 Psychology of Diversity

B. General Diversity courses
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 3586; AML 3283, AML 3614, AML 3615, AML 3640, AML 4261; ANT 3241, ANT 3245, ANT 3302, ANT 3311, ANT 3331, ANT 3332, ANT 3363, ANT 3411, ANT 3440, ARH 3404, ASH 3404, ASH 4442, CCJ 4463, CCJ 4670, CJE 4174, CLI 3851, COM 4014, COM 4061, COP 3463, EUH 4576; FIL 3309; GEO 3470; GEY 3070; HUM 3320; HUM 4001, HUM 4003, HUM 4019; JST 3401, JST 3402, JST 3402; LAH 3130, LAH 3200, LAH 3400, LAH 5713; LIN 4643; LIT 3853, LIT 3861; MCF 3460; NUR 3805, NUR 3616; PAD 4446, PHI 3022, PHI 3033; PHM 3123, PLA 4020, PLA 4930; POS 4246, POS 4622; PUP 3314, PUP 4323; REL 3162, SOW 4024, SPA 4602, SPA 4603; SPW 4772; SYD 3700, SYD 3750, SYD 3751, SYD 3800; SYP 4323, SYP 4730, SYP 4734, SYD 4810, SYD 4813; THE 3230; WST 3015.

6. Departmental Exit Requirements
■ Earn a grade of “C” (2.0) or better in each psychology course used for major
■ Maintain a minimum overall psychology GPA of 2.0
■ Computer Competency met by PSY 3213C

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 departmental advisor’s approval. May be outside of the department.

9. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 36 hours of course work must be completed in residence at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
■ Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120 hrs
Related Programs: Sociology, Anthropology, Statistics, Criminal Justice

Related Minors: Psychology, Sociology, Anthropology, Math, Statistics

Certificates: Aging Studies, Behavioral Forensics

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 1005*: any lower level BSC course or ZOO X010.
- PSY 2012*: any PSY course. However, PSY 2012 is a prerequisite for all subsequent Psychology courses and will need to be taken for the major.
- STA 2023* or STA 2014C: any lower level STA course. However, 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
Fall
BSC 1005 Bio Principles 3
ENC 1101 Composition I 3
MGF 1106 req# 1C1-GEP 3
POS 2041* req# 1D1-GEP 3
PSY 2012 General Psychology 3
Spring
ENC 1102 Composition II 3
FSC 1121* req# 1E1-GEP 3
REL 2300* req# 1B2-GEP 3
SPC 1016* req# 1A3-GEP 3
DEP 2004 Dev Psychology 3
Sophomore Year
Fall
AMH 2010* req# 1B1-GEP 3
MUL 2010* req# 1B3-GEP 3
STA 2023 Stat Methods I 3
SOP 2772* req# 5A-Diver 3
SPH 1120* req# 5A-Diver 4
Spring
PSY 3213C Res Meth in Psych 4
PPE 3003 req# 4-ResEl 3
SYD 3800* req# 4-ResEl 3
SNP 1120* req# Lang/Elect 4
Junior Year
Fall
EXP 3040 Basic Learn Proc 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Senior Year
Fall
CLP 3184* req# 5B-Diver 4
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3
Elective* Check restrictions 3

1. UCF General Education Program
(37 hrs)
A. Communication Foundations 9 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations
- Select MGF 1106 Finite Math (may substitute a more advanced math) 3 hrs
- Select STA 2023 Statistical Methods I or STA 2014C Principles of Statistics 3 hrs
D. Social Foundations
- Select one of the listed choices 3 hrs
- Select PSY 2012 General Psychology 3 hrs
E. Science Foundations
- Select BSC 2010C Biology I or BSC 1005 (If no additional Biology courses are planned) 4 hrs
- Select one of the listed choices 3 hrs

2. Common Program Prerequisites
(3 hrs)
BSC 2005* Biology I or
BSC 1005 (If no additional Biology courses are planned) GEP

3. Core requirements
(14 hrs)
EXP 3040 Basic Learning Processes 3 hrs
PSY 2012 General Psychology 3 hrs
PSY 213C Research Methods in Psych 4 hrs
PSY 4125C Advanced Research Methods 4 hrs

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
- SOC 3784 Psychology of Diversity
- B. General Diversity courses 6 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 3586; AMH 3293, AMH 3614, AMH 3615, AMH 3692, AMH 3640, AMH 4261, ANT 3241, ANT 3245, ANT 3302, ANT 3311, ANT 3331, ANT 3332, ANT 3363, ANT 3541, ANT 3640; ARH 3520; ASH 4304, ASH 4404, ASH 4442; CCJ

5. Diversity courses
(6 hrs)

PSYCHOLOGY (B.S.)
College of Arts and Sciences
Psychology Department, PH 302B, 407-823-2216
http://www.psych.ucf.edu/

E-mail:
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 Psychology course counted toward the major requirements
- 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

Hons in Psychology:

Additional Requirements (6 hrs)
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology
- Application and admission through the department
- Fulfill University requirements for Honors in the Major
- Have a Psychology GPA above 3.5, based on at least 11 credits, including PSY 3213C. No grades can be below a “B” (3.0)
- Have an overall UCF GPA above 3.2
- PSY 4903H Directed Honors Readings 3 hrs
- PSY 4907H Undergraduate Honors Thesis 3 hrs

224 UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog
6. Science Electives (12 hrs)
A. Select at least six credits outside Psychology from: 6-8 hrs
6. Science Electives (12 hrs)

4813; THE 3230; WST 3015.
3750, SYD 3751, SYD 3800; SYP 4323, SYP 4730, SYP 4734, SYD 4810, SYD 4813; THE 3230; WST 3015.

37 50; SYD 375 1, SYD 380 0; SYP 432 3, SYP 473 0, SYP 473 4, SYD 481 0, SYD 481 3; THE 32 3 0; WST 30 1 5.

37 5 0; SYD 37 5 1, SYD 38 0 0; SYP 43 2 3, SYP 47 3 0, SYP 47 3 4, SYD 48 1 0, SYD 48 1 3; THE 32 3 0; WST 30 1 5.

37 5 0; SYD 37 5 1, SYD 38 0 0; SYP 43 2 3, SYP 47 3 0, SYP 47 3 4, SYD 48 1 0, SYD 48 1 3; THE 32 3 0; WST 30 1 5.

B. Select at least two of the following: 5-8 hrs

Acceptable Substitutes

CGS 2100C Computer Fundamentals of Business

COP 3052C Computer Science I

COP 3053C Computer Science II

ENC 3241 Writing for the Technical Professional or

ENC 3221 Theory and Practice of Technical Writing

ENC 4280 Technical Writing Style

MAC 2233 Concepts of Calculus

MAC 2235 Applied Calculus I

MAC 2238 Calculus II

PCB 3063 & L Genetics with lab

PCB 3703C Human Physiology

STA 4102 Computer Process of Stat Data

STA 4163 Statistical Methods II

STA 4164 Statistical Methods III

ZOO 3733C Human Anatomy

7. Departmental Exit Requirements

Earn a grade of “C” (2.0) or better in each psychology course

Maintain a minimum overall psychology GPA of 2.0

Computer Competency met by PSY 3213C

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: Sociology, Anthropology, Statistics, Criminal Justice

Related Minors: Psychology, Sociology, Anthropology, Math, 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:

BSC 2010C: any lower level BSC course or ZOO X010. However, BSC 2010C is a prerequisite for all subsequent Biology courses and thus may need to be taken in order to qualify for other Biology courses used as science electives for the BS degree in psychology.

PSY 2012: any PSY course. However PSY 2012 is a prerequisite for all subsequent Psychology courses and will need to be taken for the major.

STA 2023 or STA 2041C: any lower level STA course. However, STA 2023 (or STA 2041C) 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

Fall

Spring

ARH 2050* req# 1B-GE P 3 BSC 2010C Biology I 4

ENC 1101 Composition I 3 ENC 1102 Composition II 3

MGF 1106* req# 1C-GE P 3 POS 2041* req# 1D-GE P 3

PSC 1121* req# 1E-GE 3 SPC 1016* req# 1A3-GE 3

PSY 2012 General Psychology 3 STA 2041C Prin of Statistics 3

Sophomore Year

Fall

Spring

EUI 2000* req# 1B-GE P 3 EUH 2001* req# 1B-GE P 3

DEP 2004 Dev Psychology 3 PPE 3003 Personality Theory 3

EXP 3404 Basic Learn Proc 3 PSY 3213C Res Meth in Psych 4

SOP 3004 Social Psychology 3 SPN 1121* req# L ang/E lect 4

SPN 3220* req# Lang/E lect 4

Junior Year

Fall

Spring

PSB 3002 Phys Psychology 3 PSY 4215C Adv Res Meth Psych 4

SOP 3724* req# 5A-Diver 3 CLP 3143* req# 4-Res/E lect 3

SYD 3700* req# 5B-Diver 3 PCB 3703C req# 6A-Sci 4

Elective* Check restrictions 3 PSB 3441* req# 6B-Sci 3

Elective* Check restrictions 3

Senior Year

Fall

Spring

EXP 3204C* req# 6B-Sci 4 CLP 3143* req# 4-Res/E lect 3

Elective* Check restrictions 4 ZOO 3733C* req# 6A-Sci 3

Elective* Check restrictions 3

Elective* Check restrictions 3

Elective* Check restrictions 2

PUBLIC ADMINISTRATION (B.A., B.S.)

College of Health and Public Affairs

HPA2 238, 407-823-2604

http://www.cohpa.ucf.edu/pubadm/

Chair: Montgomery Van Wart

Undergraduate Coordinator: Ronnie Korosec

Admission Requirements none

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

Students should consult with a departmental advisor on a regular basis.

The courses designated in sections 1 and 2 below may be taken 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).
UCF Degree Programs

- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations 9 hrs
   - B. Cultural Historical Foundations 9 hrs
   - C. Mathematical Foundations 6 hrs
   - Select CGS 1060C
   - D. Social Foundations (nine hours required for major) 6 hrs
   - Select PSY 2012 or SYG 2000
   - 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 Adm. 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)

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

<table>
<thead>
<tr>
<th>Freshman Year*</th>
<th>Fall</th>
<th>14 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 2110</td>
<td>3</td>
<td>ENC 2102</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>3</td>
<td>MGF 1106</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>POS 2041</td>
<td>3</td>
<td>PSY 2012 or SYG 2000</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>One Course: ARH 2050,</td>
<td>3 or 2100</td>
<td>ARH 2051, MUL 2010,</td>
<td>3 or 2100</td>
<td></td>
</tr>
<tr>
<td>THE 2000, REL 2300,</td>
<td>3 or 2100</td>
<td>CHM 1020 or PSC 1121</td>
<td>3 or 2100</td>
<td></td>
</tr>
<tr>
<td>PHI 2010, LIT 2110, LIT 2120</td>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>PAF 2102</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCE 1600</td>
<td>3</td>
<td>PAD 3003</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2000 or HUM 2111</td>
<td>3</td>
<td>EUH 2001 or WOH 2022 or</td>
<td>3</td>
</tr>
<tr>
<td>or AMH 2010 or WOH 2112</td>
<td>3</td>
<td>HUM 2230 or</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>3</td>
<td>AMH 2230</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005 or MCH 1310</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>or GLY 1030 or GEO 1200</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>or ANT 2511</td>
<td>Elective</td>
<td>3</td>
<td>Elective</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15/16 hrs</th>
<th>Spring</th>
<th>15/16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4104</td>
<td>3</td>
<td>PAD 4034</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4414</td>
<td>3</td>
<td>PAD 4204</td>
<td>3</td>
</tr>
<tr>
<td>PAD Elective</td>
<td>3</td>
<td>PAD Elective</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3</td>
<td>PAD Elective</td>
<td>3</td>
</tr>
<tr>
<td>(Foreign Lang I) or B.S. option</td>
<td>3/4</td>
<td>(Foreign Lang II) or B.S. option</td>
<td>3/4</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>15 hrs</th>
<th>Spring</th>
<th>12/15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD Elective</td>
<td>3</td>
<td>PAD Internship</td>
<td>3/6</td>
</tr>
<tr>
<td>PAD Elective</td>
<td>3</td>
<td>PAD Elective</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3</td>
<td>Restricted Elective</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 Urban and Regional Planning and Public Administration and also offers certificates in Non-profit Management and Urban and Regional Planning.

RADIO-TELEVISION (B.A.)
College of Arts and Sciences
Nicholson School of Communication, COM 238
407-823-2681
http://www.cas.ucf.edu/communication
E-mail: radiotv@ucf.edu
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, 2005 for Spring 2006
  - February 1, 2006 for Summer 2006
  - July 1, 2006 for Fall 2006
- 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 the previous year, 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.
- Co-op or internship credit can be used in this major without prior departmental permission.
- Students should consult with a School advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Students electing both a major and minor in the School must take the minor courses in excess of the 120 hours required for graduation.
- Students enrolled in the major may not take more than 40 total credit hours from the Nicholson School of Communication.
- Students enrolled in the major must take at least 65 hours in the liberal arts.
- 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. A total of 6 credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internships are available during “C” (2.0) 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 & 1102 Composition 6 hrs
   - Select SPC 1600 Fund Oral Communication 3 hrs
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
   - Select MGF 1106 Finite Mathematics (may substitute a higher level math) 3 hrs
   - Select CGS 1060C Intro. to Computer Science 3 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Common Program Prerequisites

   SPC 1600 Fund Oral Communication GEP

3. Core requirements (all areas) (21 hrs)

   Select one of the following: 3 hrs
   - CGS 2100C Computer Fundamentals of Business
   - CGS 2585C Desktop Internet Publishing
   - CGS 3175 Internet Applications
   - RTV 2102 Writing for the Electronic Media 3 hrs
   - RTV 3200 Development and Structure of Electronic Media 3 hrs
   - RTV 3000 Development and Structure of Media and New Technology 3 hrs
   - MMC 4200 Mass Communication Law 3 hrs
   - RTV 4403 Elec Media, Tech, and Society 3 hrs
   - MMC 3420 Mass Media Comm Research Meth 3 hrs

4. Specialization: select one area (18 hrs)

   (Select 15 hours from the following)
   - RTV 3210C Audio Production I 4 hrs
   - RTV 3228C Studio Television Production 4 hrs
   - RTV 3232C Lighting for Video 3 hrs
   - RTV 3260C Single-Camera Video Production 4 hrs
   - RTV 3262C Advanced Video Post-Production 3 hrs
   - RTV 3283C Production of Int. Multimedia 3 hrs
   - RTV 32942PL Practicum 1-3 hrs
   - RTV 4211C Audio Production II 3 hrs
   - RTV 4280C Webcasting I 3 hrs
   - RTV 4281C Webcasting II 3 hrs
   - RTV 4208C Television Directing 4 hrs
   - RTV 4270C Radio Production & Programming 3 hrs
   - RTV 4941 Internship 1-3 hrs

5. Broadcast Journalism (15 hrs)
   - RTV 3260C Single-Camera Video Production 4 hrs
   - RTV 3301 Electronic Journalism I 3 hrs
   - RTV 3304 Electronic Journalism II 3 hrs
   - RTV 4320C Television News 3 hrs
   - MMC 4602 Contemporary Media Issues 3 hrs
   - JOU 3004 History of American Journalism 3 hrs

4.3 Broadcast Generalist (18 hrs)

A. Select 12 hours from Group A:
   - RTV 3231C Broadcast Announcing & Performance 4 hrs
   - RTV 4270C Radio Production & Programming 3 hrs
   - RTV 4700 Regulation of Broadcasting 3 hrs
   - RTV 4800 Broadcast Management 3 hrs
   - ADV 4103 Radio-TV Advertising 3 hrs
   - CMC 4240 Corporate/Institutional Video 3 hrs
   - COM 3330 Computer-Mediated Comm. 3 hrs
   - MMC 4263 New Media Technologies 3 hrs

B. Select 6 hours from Group B:
   - ADV 3000 Principles of Advertising 3 hrs
   - PUR 4000 Public Relations 3 hrs
   - COM 3110 Business & Prof. Comm. 3 hrs
   - ENC 2210 Writing for Business Professionals 3 hrs

5. Required Minor (18 hrs minimum)

Radio-Television majors must complete an 18 hour minor in an academic area outside the School of Communication.

6. School Exit Requirements

- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve an overall “C” GPA (2.0) in required UCF Radio/TV courses. This GPA does not include Restricted Electives in the major or other electives.
- Computer competency met by CGS 1060C.

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. Students should take electives from outside of the School.

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: 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.

UCF Degree Programs

227
RADIOLOGIC SCIENCES (B.S.)
College of Health and Public Affairs
HPA2 210, 407-823-2474
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

A. Communication Foundations
B. Cultural Historical Foundations
C. Mathematical Foundations
Select MAC 1105
Select CJS 1060C
D. Social Foundations
E. Science Foundations
Select BSC 2010C
Select PHY 2053C

2. Common Program Prerequisites

CGS 1060C Introduction to Computer Science GEP
PCB 3703C Human Physiology* 4 hrs
PHY 2053C College Physics I GEP
PHY 2054C College Physics II 4 hrs
ZOO 3733C Human Anatomy* 4 hrs
MAC 1105 College Algebra GEP
* See Transfer Notes

3. Core Requirements

Junior Level
RTG 2000 Introduction to Radiologic Sciences 3 hrs
RTE 3111 Introduction to Patient Care 2 hrs
RTE 3503C Radiographic Procedures I 3 hrs
RTE 3116 Advanced Patient Care 3 hrs

Senior Level
RTG 3117C Principles of Radiographic Exposure I 3 hrs
RTG 3804 Clinical Education I 4 hrs
RTG 3513C Radiographic Procedures II 3 hrs
RTG 3457C Principles of Radiographic Exposure II 3 hrs
RTG 3864C Physics of Image Production 2 hrs
HSC 3640 Health Law 3 hrs
RTG 3308 Medical Physics 3 hrs
STA 2023 Statistical Methods I 3 hrs
HSC 4550 Pathophysiologic Mechanisms 2 hrs

4. Upper Division Restricted Electives:

RTE 4509 Radiological Adm. Practice 2 hrs
RTE 4903 Directed Study Radiologic Education 2 hrs

5. Program Exit Requirements

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. 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).

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:
(124 hrs)
Related Programs: Cardiopulmonary Sciences, Nursing, Health Services Administration
Related Minors: Health Services Administration
Transfer Notes:
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 2086C and BSC 2087C) 8
- College Algebra (MAC 1105) OR (MAC 1102) 3
- College Physics I (PHY 2053C) 4
- College Physics II (PHY 2054C) 4
- Introduction to Computer Science (CGS 1160C or any other Computer Science course) 3

Tentative Course Schedule for Entering Freshmen

RADIOLOGIC SCIENCES

Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>4</td>
</tr>
<tr>
<td>HSC 2000</td>
<td>2</td>
</tr>
</tbody>
</table>

Fall 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTE 4206</td>
<td>3</td>
</tr>
<tr>
<td>RTE 4762</td>
<td>3</td>
</tr>
<tr>
<td>RTE 4854</td>
<td>2</td>
</tr>
<tr>
<td>RTE 4385</td>
<td>1</td>
</tr>
<tr>
<td>STA 2023</td>
<td>3</td>
</tr>
<tr>
<td>HSC 2000</td>
<td>1</td>
</tr>
</tbody>
</table>

Spring 16 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTE 4206</td>
<td>3</td>
</tr>
<tr>
<td>RTE 4762</td>
<td>3</td>
</tr>
<tr>
<td>RTE 4854</td>
<td>2</td>
</tr>
<tr>
<td>RTE 4385</td>
<td>1</td>
</tr>
<tr>
<td>STA 2023</td>
<td>3</td>
</tr>
</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053C</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 1022C</td>
<td>4</td>
</tr>
<tr>
<td>EUH 2000 or HUM 2211</td>
<td>3</td>
</tr>
<tr>
<td>or AMH 2010</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 2012 or SYG 2000 or ANT 2000</td>
<td>3</td>
</tr>
</tbody>
</table>

Fall 14 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTE 3000</td>
<td>3</td>
</tr>
<tr>
<td>RTE 3111C</td>
<td>2</td>
</tr>
<tr>
<td>RTE 3418C</td>
<td>3</td>
</tr>
<tr>
<td>RTE 3503C</td>
<td>3</td>
</tr>
<tr>
<td>RTE 3684C</td>
<td>2</td>
</tr>
<tr>
<td>HSC 3640</td>
<td>3</td>
</tr>
</tbody>
</table>

Spring 14 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053C</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 1022C</td>
<td>4</td>
</tr>
<tr>
<td>EUH 2000 or HUM 2211</td>
<td>3</td>
</tr>
<tr>
<td>or AMH 2010</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 2012 or SYG 2000 or ANT 2000</td>
<td>3</td>
</tr>
</tbody>
</table>

Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTE 3000</td>
<td>3</td>
</tr>
<tr>
<td>RTE 3111C</td>
<td>2</td>
</tr>
<tr>
<td>RTE 3418C</td>
<td>3</td>
</tr>
<tr>
<td>RTE 3503C</td>
<td>3</td>
</tr>
<tr>
<td>RTE 3684C</td>
<td>2</td>
</tr>
<tr>
<td>HSC 3640</td>
<td>3</td>
</tr>
</tbody>
</table>

Fall 16 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 2000 or HUM 2211</td>
<td>3</td>
</tr>
<tr>
<td>or AMH 2010</td>
<td>3</td>
</tr>
</tbody>
</table>

Summer 13 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>3</td>
</tr>
<tr>
<td>RTE 4814L</td>
<td>5</td>
</tr>
<tr>
<td>RTE 3308</td>
<td>3</td>
</tr>
<tr>
<td>RTE 4516</td>
<td>2</td>
</tr>
</tbody>
</table>

Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTE 4385</td>
<td>1</td>
</tr>
<tr>
<td>RTE 4762C</td>
<td>3</td>
</tr>
<tr>
<td>RTE 4824L</td>
<td>6</td>
</tr>
<tr>
<td>RTE 4573</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

Fall 13 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTE 4009 or RTE 4903</td>
<td>2</td>
</tr>
</tbody>
</table>

Summer 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTE 4904</td>
<td>1</td>
</tr>
<tr>
<td>RTE 4904**</td>
<td>2</td>
</tr>
</tbody>
</table>

**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.

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

Dear: Abraham Pizam

Degree Requirements

1. UCF General Education Program (GEP) (36 hrs)
   - A. Communications Foundations 9 hrs
   - B. Cultural and Historical Foundations 9 hrs

C. Mathematical Foundations
   - Select MAC 1105 College Algebra 3 hrs
   - Select CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs

D. Social Foundations
   - Select ECO 2013 Macroeconomics 3 hrs
   - Select ECO 2023 Microeconomics 3 hrs
   - Select one: PSY 212, 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 2211C Quantity Food Preparation 3 hrs

3. Quantitative Tools
   - CGS 2100C Computer Fundamentals of Business or STA 2023 Statistical Methods I (GEP)
   - ECO 2013 Macroeconomics or ECO 2023 Microeconomics (GEP)
   - MAC 1105 College Algebra (GEP)

4. Managerial Tools (25 hrs)
   - HFT 4203 Hospitality Financial Accounting 3 hrs
   - HFT 4290 Hospitality Marketing 3 hrs
   - HFT 4220 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 3521 Restaurant Management 3 hrs
   - HFT 3933 Distinguished Lectures in Hospitality Mgmt 1 hr

5. Internship (3 hrs)
   - HFT 3840 Internship 1 hr
   - HFT 4941 Internship 1 hr
   - HFT 4941 Internship 1 hr

6. Restaurant Management Core (18 hrs)
   - HFT 4268 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 4135 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.
   - The Rosen College of Hospitality Management requires all first year students to 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 4285 Catering and Banquet Organization 3 hrs
   - HFT 4645 Restaurant Real Estate, Site Selection and Modeling 3 hrs
   - HFT 4861C Beverage Management 3 hrs
   - HFT 4425 Financial Analysis for Restaurant Managers 3 hrs
   - HFT 3574 Foodservice Marketing, Advertising, and Promotion Management 3 hrs
   - HFT 4369 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 Cuisine 3 hrs
   - HFT 3610 Law and Restaurant Management 3 hrs
   - HFT 3285 International Restaurant Corporation Management 3 hrs
   - HFT 4284 Training and Employee Performance in the Food Service Industry 3 hrs
   - HFT 3834 Topics in Restaurant & Foodservice Management 3 hrs
   - HFT 4864 Anheuser-Busch Seminar in Quality Brewing and Fine Beer 3 hrs
   - HFT 4865C 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 4826 Hospitality Communications 3 hrs

UCF Degree Programs
9. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 48 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.

Total Semester Hours Required 120 hrs

Community/Junior College Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF’s Rosen College of Hospitality Management.
- Florida Public Community College students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Four Year Plan of Study for B.S. Restaurant and Food Service Management*
Plan your required nine semester credit hours into your course of study.

Freshman Year
Fall 15 Hrs Spring 15 Hrs
ENC 1101 - Eng Comp I 3 hrs ENC 1102 - Eng Comp II 3 Hrs
Cult/Hist Found Sequence I 3 Hrs SPC 1600 - Fund Oral Comm 3 Hrs
CGS 2100C or STA 2023 3 Hrs Cult/Hist Found Sequence II 3 Hrs
HFT 1000 - Intro to Hosp Man 3 Hrs HFT 1000 - Intro to Hosp Man 3 Hrs
PSY 2012, SYG 2000, or ANT 2000 3 Hrs FSS 2221C - Quant Food Prep 3 Hrs

Sophomore Year
Fall 15 Hrs Spring 15 Hrs
Science Foundation I 3 Hrs Science Foundation II 3 Hrs
ECO 2013 or ECO 2023 3 Hrs Cult/Hist Foundation 3 Hrs
HFT 3261 - Restaurant Management 3 Hrs SPC 1600 - Fund Oral Comm 3 Hrs
HFT 2403 - Hosp Food Acct 3 Hrs SPC 1600 - Fund Oral Comm 3 Hrs
HFT 2220 - Hosp Hum Res Mgmt 3 Hrs HFT 2220 - Hosp Hum Res Mgmt 3 Hrs

Junior Year
Fall 14 Hrs Spring 16 Hrs
HFT 3540 - Guest Serv Mgmt 3 Hrs HFT 4258 - Case Studies in F.S. 3 Hrs
HFT 4266 - Rest Brand Mgmt 3 Hrs SPC 1600 - Fund Oral Comm 3 Hrs
HFT 3431 - Hospitality Mgt Acct 3 Hrs HFT 4343 - F.S. Equip & Design 3 Hrs
HFT 4281 - Leader Strategies 3 Hrs Restaurant Elective 3 Hrs
HFT 3940 - Practicum I 1 Hr HFT 3942 - Practicum II 1 Hr
HFT 3940 - Practicum I 1 Hr HFT 3942 - Practicum II 1 Hr
HFT 3933 - Dist Lct in Hosp 3 Hrs HFT 3933 - Dist Lct in Hosp 3 Hrs

Senior Year
Fall 15 Hrs Spring 15 Hrs
Rest & F.S. Elective 3 Hrs Rest & F.S. Elective 3 Hrs
Rest & F.S. Elective 3 Hrs Rest & F.S. Elective 3 Hrs
Rest & F.S. Elective 3 Hrs Rest & F.S. Elective 3 Hrs
HFT 4941 - Practicum III 1 Hr Rest & F.S. Elective 3 Hrs
Unrestricted Electives 5 Hrs Unrestricted Elective 3 Hrs

SCIENCE EDUCATION - BIOLOGY (B.S.)
College of Education
Department of Teaching and Learning Principles
ED 209
http://www.edcollege.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

1. UCF General Education Program (36 hrs)
   - A. Communication Foundations (9 hrs)
     ENC 1101 Composition I 3 hrs
     ENC 1102 Composition II 3 hrs
     SPC 1600 Fundamentals of Oral Communication 3 hrs
   - B. Cultural-Historical Foundations (9 hrs)
     AMH 2010 U.S. History 1492-1877 3 hrs
     AMH 2020 U.S. History 1877-Present 3 hrs
     PHI 2010 Introduction to Philosophy 3 hrs
   - C. Mathematical Foundations (6 hrs)
     MGF 1106 Finite Mathematics 3 hrs
     Select one:
     STA 1060C Basic Statistics using MS Excel or
     STA 1060C Principles of Statistics
   - D. Social Foundations (6 hrs)
     POS 2041 American National Government 3 hrs
     PSY 2012 General Psychology 3 hrs
   - E. Science Foundations (6 hrs)
     PSC 1121 Physical Science 3 hrs
     Select one:
     AST 2003 Astronomy or
     GEO 1200 Physical Geography or
     GLY 1030 Geology and its Applications
   - Note: See laboratory component under Section 2.

2. Common Program Prerequisites (31 hrs)
   - A. Communications (9 hrs)
     ENC 1101 Composition I GEP
     ENC 1102 Composition II GEP
     SPC 1600 Fundamentals of Oral Communication GEP
   - B. Humanities (6 hrs)
     PHI 2010 Introduction to Philosophy GEP
     Select one:
     ARH 2051 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
   - 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 1060C 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)
     BSC 2010C Biology I w/Lab 4 hrs
     PSC 1121 Physical Science GEP
     Select one:
     AST 2003 Astronomy or
     GEO 1200 Physical Geography or
     GLY 1030 Geology and its Applications
   - F. Education Courses (3 hrs)
     EDF 2005 Introduction to Education 3 hrs
     EDG 2701 Teaching Diverse Populations 3 hrs
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 this time the 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 (12 hrs)  | Spring (15 hrs)
---|---
EDF 2005 | EDG 2701
ENC 1101 | ENC 1102
MGF 1106 | MAC 1105
PSY 2012 | Phil 2010
SCE 4360 | PSC 1121

Summer (6 hrs)

- EME 2040
- POS 2041

Sophomore Year

Fall (17 hrs)  | Spring (16 hrs)
---|---
AMH 2010 | AMH 2020
BSC 2010C w/ lab | BSC 2011C
CHM 2045C | CHM 2046
SPC 1600 | CHM 2205
STA 2014C | TSL 4080

Summer (6 hrs)

- AST 2002
- ARH 2050
- MUL 2010
- THE 2000

FIL 2400

Junior Year

Fall (14 hrs)  | Spring (12hrs)
---|---
EDF 4214 | ESE 4943
EDG 4323 | ESE 3940
PCB 3044 | ESE 4380
PCB 3044L | Upper div restricted elect
ZOE 3733C | (BSC/MCB/PCS/ZOO 3/4XXX)

Summer (3 hrs)

LAE 4361

Senior Year

Fall (13 hrs)  | Spring (12 hrs)
---|---
EDF 4603 | ESE 4943
ESE 3940 | ESE 4380
SCE 4380 | Upper div restricted elect

SCIENCE EDUCATION - CHEMISTRY (B.S.)

College of Education
Department of Teaching and Learning Principles
ED209
http://www.edcollege.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
UCF Degree Programs

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

1. UCF General Education Program (37 hrs)
A. Communication Foundations (9 hrs)
ENC 1101 Composition I 3 hrs
ENC 1102 Composition II 3 hrs
SPC 1600 Fundamentals of Oral Communication 3 hrs
B. Cultural-Historical Foundations (9 hrs)
AHM 2010 U.S. History 1492-1877 3 hrs
AHM 2020 U.S. History 1877-Present 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs
C. Mathematical Foundations (6 hrs)
MGF 1106 Finite Mathematics 3 hrs
Select one: 3 hrs
STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
D. Social Foundations (7 hrs)
POS 2041 American National Government 3 hrs
PSY 2012 General Psychology 3 hrs
E. Science Foundations (7 hrs)
PHY 2053C College Physics (includes lab) 4 hrs
Select one: 3 hrs
AST 2002 Astronomy or GEO 1200 Physical Geography or GLY 1030 Geology and its Applications

2. Common Program Prerequisites (23 hrs)
A. Communications (9 hrs)
ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
SPC 1600 Fundamentals of Oral Communication GEP
B. Humanities (6 hrs)
PHI 2010 Introduction to Philosophy GEP
Select one: 3 hrs
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 (9 hrs)
MAC 1105 College Algebra 3 hrs
MGF 1106 Finite Mathematics GEP
Select one: 3 hrs
STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
D. Social Science/History (12 hrs)
AHM 2010 U.S. History 1492-1877 GEP
AHM 2020 U.S. History 1877-Present GEP
PSY 2041 American National Government GEP
E. Science (9 hrs + lab)
BSC 2010C Biology I w/Lab 4 hrs
PHY 2053C College Physics (includes lab) 4 hrs
Select one: 3 hrs
AST 2002 Astronomy or GEO 1200 Physical Geography or GLY 1030 Geology and its Applications
F. Education Courses (9 hrs)
EDF 2005 Introduction to Education 3 hrs
EDS 2701 Teaching Diverse Populations 3 hrs
EME 2040 Technology for Educators 3 hrs
G. Diversity Courses (3 hrs)
GED 2050A Introduction to Critical Issues in Education 3 hrs
H. Other Program Prerequisites (4 hrs)
CHM 2045C Chemistry Fundamentals I w/lab 4 hrs

3. Education Pre-Professional Requirements (3 hrs)
MAC 1114 College Trigonometry 3 hrs

4. Education Core Requirements (15 hrs)
EDG 4233 Professional Teaching Practices 3 hrs
EDF 4003 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
LA E 4361 Literacy Strategies for Mid/High School 3 hrs

5. Internship I Block (7 hrs)
SCE 4360 Science Instructional Analysis 4 hrs
ESE 3940 Internship I 3 hrs
■ Program Internship I prerequisites: EDG 4233 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

6. Specialization Requirements (27 hrs)
BSC 2010C Biology I CPP
CHM 2045C Chemistry Fundamentals I CPP
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Lab 1 hr
PHY 2053C College Physics I GEP
PHY 2054C College Physics II 4 hrs
CHM 3120C Analytical Chemistry 5 hrs
CHM 2211 Organic Chemistry I 3 hrs
CHM 2211L Organic Chemistry Lab 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHS 3501 Intro to Forensic Science 3 hrs
BCN 4053 Biochemistry I 3 hrs

7. Restricted Electives (3 hrs)
One 3000- or 4000-level CHM, CHS, or BCH course with advisor’s approval

8. Internship II (ESE4943) (12 hrs)
■ SCE 4360 and at least 80% of all required chemistry 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 Examinations.

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 127 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
Freshman Year

232 UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog
SCIENCE EDUCATION - PHYSICS (B.S.)
College of Education
Department of Teaching and Learning Principles, ED 209
http://www.edcollege.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.
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.

Degree Requirements

1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
      ENC 1101 Composition I
      ENC 1102 Composition II
   B. Social-Historical Foundations (9 hrs)
      ANH 2010 U.S. History 1492-1877
      ANH 2020 U.S. History 1877-Present
      PHI 2010 Introduction to Philosophy
   C. Mathematical Foundations (6 hrs)
      MAC 1105 College Algebra
      Select one:
      STA 1060C Basic Statistics using MS Excel or
      STA 1060 Principles of Statistics

2. Common Program Prerequisites (21 hrs)
   A. Communications (9 hrs)
      ENC 1101 Composition I
      ENC 1102 Composition II
      MAC 2311 Calculus with Analytic Geometry I
   B. Humanities (6 hrs)
      PHI 2010 Introduction to Philosophy
      Select one:
      ARH 2050 The History of Art I
      ARH 2051 The History of Art II
   C. Mathematics (10 hrs)
      MAC 1105 College Algebra
      MAC 2311 Calculus with Analytic Geometry I
      MAC 2312 Calculus with Analytic Geometry II
      PHY 2048 Physics for Engineers & Scientists I
      PHY 2048L Physics Lab for Eng. & Scientists I
      Select one:
      GLY 1030 Geology and its Applications
      SCE 4360 Science Instructional Analysis
   D. Social Science/History (12 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 (11 hrs + lab)
      AST 2002 Astronomy
      PHY 2048L Physics Lab for Eng. & Scientists I
      Select one:
      BCH/CHM/CHS 3/4XXX
      Upper div restricted elect
      MAC 2313 Calculus with Analytic Geometry III
      PHY 2049 Physics for Scientists III
      PHY 2049L Physics Lab for Engineers & Scientists II
      PHY 3752C Physics of Scientific Instruments

3. Education Core Requirements (15 hrs)
   A. Education Courses (9 hrs)
      EDF 4214 Classroom Learning Principles
      ESE 3940 Internship I
      SCE 4360 Science Instructional Analysis
   B. Diversity Courses (6 hrs)
      ESE 2940 Technology for Educators
      ESE 3940 Internship II
      LAE 4361 Literacy Strategies for Mid/High School

4. Internship I Block (7 hrs)
   SCE 4380 Science Instructional Analysis
   ESE 2940 Internship I
   ESE 3940 Internship II

5. Specialization Requirements (26 hrs)
   A. Science (11 hrs + lab)
      PHY 2048L Physics Lab for Eng. & Scientists I
      PHY 3752C Physics of Scientific Instruments
   B. Social Foundations (6 hrs)
      POS 2041 American National Government
      PSY 2012 General Psychology
   C. Science Foundations (6 hrs)
      PHY 2048L Physics Lab for Eng. & Scientists I
      PHY 3752C Physics of Scientific Instruments
   D. Social Foundations (6 hrs)
      STA 2014C Principles of Statistics
      STA 1060C Basic Statistics using MS Excel or
      STA 1060 Principles of Statistics
   E. Science Foundations (6 hrs)
      PHY 2048L Physics Lab for Eng. & Scientists I
      PHY 3752C Physics of Scientific Instruments

6. Restricted Electives (8 hrs)
   3000- or 4000- level PHY or PHZ courses with advisor’s approval

7. Internship II (ESE4943) (12 hrs)
   A. Additional Requirements
      SCE 4360 and at least 80% of all required physics courses must be completed prior to internship II with a minimum grade of “C” in all these prerequisite courses.
      ESE 4943 Internship II

UCF Degree Programs
SOCIAL SCIENCES (B.S.)
College of Arts and Sciences
Liberal Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies

E-mail: ls@mail.ucf.edu
Liberal Studies Advising Team, 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 among those fields. Satisfactory completion of the program leads to the degree Bachelor of Science with a major in Social Sciences.

The program is administered through the Office of Liberal and Interdisciplinary Studies in the College of Arts and Sciences.

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 areas. Non-approved independent studies will not be counted towards the major.
- Students must earn at least a "C" (2.0) in each core requirement and restricted elective course.
- 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
      Select MAC 1105 College Algebra (or higher) 3 hrs
      Select STA 2023 Statistical Methods I 3 hrs
   D. Social Foundations
      Select ECO 2013 or POS 2041, depending on concentration to be followed 3 hrs
      Select SYA 4300 or JOU 3004, depending on 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
   SYA 3311 Research Methods (Sociology)

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
      Select one course
      COM 3311 Communication Research Methods 3 hrs
      RTV 4403 Electronic Media, Tech, & Soc 3 hrs
      JOU 3004 History of American Journalism 3 hrs
      Select three more Communication courses 9 hrs
   B. Economics
      Select one course
      *ECO 2013 Principles of Macroeconomics 3 hrs
      *ECO 2023 Principles of Microeconomics 3 hrs
      Select three more Economics courses 9 hrs
   C. Political Science
      Select one course
      *POS 2041 American National Government 3 hrs
      Select four more Political Science courses 12 hrs
   D. Psychology
      Select one course
      *PSY 2012 General Psychology 3 hrs

UCF Degree Programs

9. Departmental Exit Requirements
   - Achieve a minimum 2.5 GPA in all courses within the major.
   - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
   - Pass all applicable sections of the Florida Teacher Certification Examination.

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA.
    - 60 semester hours earned after CLEP awarded.
    - 48 semester hours of upper division credit completed.
    - 30 of the last 36 hours of course work must be completed in residence at UCF.
    - 25% of course work must be completed in residency at UCF.
    - Complete the General Education Program, the Gordon Rule, the 60 semester hours earned after CLEP awarded, the 48 semester hours of upper division credit completed, 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

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>3 hrs</td>
<td>AST 2002</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
<td>EDG 2701</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>3 hrs</td>
<td>ENC 1102</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
<td>MAC 2111</td>
</tr>
<tr>
<td>Summer</td>
<td></td>
<td>PHI 2010</td>
</tr>
<tr>
<td>EME 2040</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>POS 2041</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2100</td>
<td>3 hrs</td>
<td>AMH 2103</td>
</tr>
<tr>
<td>BSC 2010C wlab</td>
<td>4 hrs</td>
<td>CHM 2045C</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>4 hrs</td>
<td>ARH 2500 or</td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3 hrs</td>
<td>MUL 2100 or</td>
</tr>
<tr>
<td>STA 214C</td>
<td>3 hrs</td>
<td>FIL 2400</td>
</tr>
<tr>
<td>Summer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHY 2048</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>1 hr</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2046</td>
<td>3 hrs</td>
<td>EDF 4214</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>1 hr</td>
<td>LAE 4361</td>
</tr>
<tr>
<td>EDG 4323</td>
<td>3 hrs</td>
<td>PHY 2049</td>
</tr>
<tr>
<td>PSL 4080</td>
<td>3 hrs</td>
<td>PHY 2049L</td>
</tr>
<tr>
<td>Upper div restricted elect</td>
<td>4 hrs</td>
<td>Upper div restricted elect</td>
</tr>
<tr>
<td>Summer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHY 3101</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603</td>
<td>3 hrs</td>
<td>ESE 4943</td>
</tr>
<tr>
<td>ESE 3940</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>SCE 4360</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 3752C</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

University of Central Florida
2004-2005 Undergraduate Catalog
### Degree Requirements
- **Students should see an advisor**

**1. UCF General Education Program** (36 hrs)
- **A. Communication Foundations** (9 hrs)
  - ENC 1101 Composition I
  - ENC 1102 Composition II
  - ENC 2136 Technical Communication
  - ENC 2201 Oral Communication
- **B. Cultural-Historical Foundations** (9 hrs)
  - AMH 1131 Ancient World History
  - AMH 2121 Foundations of the United States
  - AMH 2131 The United States after 1865
  - ECO 2013 Macroeconomics
- **C. Mathematical Foundations** (6 hrs)
  - MAC 1105 College Algebra
  - MAC 1147 Precalculus Algebra
  - MAC 2233 Calculus with Analytic Geometry
  - MAC 2311 Calculus for Science and Engineering I
- **D. Social Foundations** (6 hrs)
  - POS 2041 American National Government
  - POL 2005 Introduction to Political Science
  - POL 2011 American Government
  - PSY 2012 General Psychology
- **E. Science Foundations** (6 hrs)
  - ACC 2670 Accounting Information Systems
  - BIO 1004 General Biology
  - CHE 1040 Fundamentals of Chemistry
  - ENV 1055 Survey of Environmental Science
- **F. General Liberal Studies** (3 hrs)
  - HUM 1162 Fine Arts History
  - HUM 2126 Art, Technology and Society
  - HUM 2170 History of Art
  - HUM 2473 Survey of Literature
- **G. Diversity Courses** (3 hrs)
  - AMH 2111 Black American History
  - AMH 2130 Latino History
  - AMH 2131 African American History
  - AMH 2132 African American History
  - AMH 2133 African American History

**2. Common Program Prerequisites** (25 hrs)
- **A. Communications** (9 hrs)
  - ENC 1101 Composition I
  - ENC 1102 Composition II
  - ENC 2136 Technical Communication
  - ENC 2201 Oral Communication
- **B. Humanities** (6 hrs)
  - PHI 1101 Introduction to Philosophy
  - PHI 2102 Ethics
  - PHI 2254 Advanced Topics in Ethics
  - PHI 3121 Philosophy of Mind
- **C. Science** (9 hrs)
  - CHE 1040 Fundamentals of Chemistry
  - CHE 1050 General Chemistry
  - CHE 1051 General Chemistry Laboratory
- **D. Social Science/History** (12 hrs)
  - AMH 1131 Ancient World History
  - AMH 2121 Foundations of the United States
  - AMH 2131 The United States after 1865
  - ECO 2013 Macroeconomics
  - ECO 2023 Microeconomics
- **E. Science** (9 hrs + lab)
  - BIO 1004 General Biology
  - BIO 1005 Introduction to Biology
  - BIO 1006 Introduction to Biology Laboratory
- **F. Education Courses** (9 hrs)
  - EDV 2340 Educational Psychology
  - EDV 2400 Educational Psychology
  - EDV 2402 Educational Psychology
  - EDV 2404 Educational Psychology
- **G. Diversity Courses** (3 hrs)
  - HUM 2126 Art, Technology and Society
  - HUM 2170 History of Art
  - HUM 2473 Survey of Literature

### Related Programs
- Liberal Studies, Liberal Arts
- 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
- 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](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.
4. Internship I Block (7 hrs)
- SSE 4361 Social Science Instructional Analysis 4 hrs
- ESE 3940 Internship I 3 hrs
- Program Internship I Prerequisites: EDG 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 prerequisites courses.
- SSE 4361 should be taken concurrently with ESE 3940
- See additional requirements listed under College of Education, Office of Clinical Experiences

5. Specialization Requirements (27 hrs)
- EUI 2000 Western Civilization I 3 hrs
- EUI 2001 Western Civilization II 3 hrs
- AMH 2010 US History 1492-1877 GEP
- AMH 2020 US History 1877-Present GEP
- SYG 2000 General Sociology CPP
- ECO 2013 Macroeconomics CPP
- ECO 2023 Microeconomics 3 hrs
- GEO 3470 World Political Geography 3 hrs
- Upper Division Non-Western History Elective: (LAH, APH, or ASH prefix courses) 3 hrs
- Upper Division Political Science Electives (POS, INR, or CPO 3/4XXX) 6 hrs
- Upper Division American History Electives (AMH 3/4XXX) 6 hrs

6. Internship II (ESE 4943) (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 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
- 122 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 Sequence of Program Courses:

**Freshman Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>(12 hrs)</th>
<th>Spring</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>3 hrs</td>
<td>BSC 1005</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
<td>EDG 2701</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>3 hrs</td>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
<td>MAC 1105</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>POS 2041</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Summer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EME 2040</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPC 1600</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>(16 hrs)</th>
<th>Spring</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>3 hrs</td>
<td>AMH 2020</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>(15 hrs)</th>
<th>Spring</th>
<th>(13 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4214</td>
<td>3 hrs</td>
<td>Upper Div Political Sci Elect</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGD 4323</td>
<td>3 hrs</td>
<td>(POS 3/4XXX)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 2000</td>
<td>3 hrs</td>
<td>Upper Div Am Hist Elect</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(AMH 3/4XXX)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(APH/ASH/LAH 3/4XXX)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SSE 4361</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ESE 3940</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer</th>
<th>(3 hrs)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 2001</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>Fall</th>
<th>(12 hrs)</th>
<th>Spring</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603</td>
<td>3 hrs</td>
<td>ESE 4943</td>
<td>12 hrs</td>
</tr>
<tr>
<td>LAE 4361</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TSL 4080</td>
<td>3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Upper Div Am Hist Elect</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(AMH 3/4XXX)</td>
<td></td>
</tr>
</tbody>
</table>

**SOCIAL WORK (B.S.W.)**

College of Health and Public Affairs
HAP 204, 407-823-2114
http://www.coeha.ucf.edu/social/

Director: Mary Van Hook
Undergraduate Program Coordinator: Robin Kohn
E-mail: rkhnm@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 completed program prerequisites (see Section 2 below for list of courses)

This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

Personal qualifications reviewed for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services as well as college-level reading and writing skills.

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 com-
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** 3 hrs
   - **B. Cultural Historical Foundations** 9 hrs
   - **C. Mathematical Foundations** 6 hrs
     - Select MGF 1106 Finite Math
     - Select STA 201LC-Principles of Statistics or STA 2023 Statistical Methods I
   - **D. Social Foundations** 6 hrs
     - Select PSY 2012 and POS 2041
   - **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 GEP
   - **BSC 1005** Biology GEP
   - **ECO 2013 or ECO 2014** Macroeconomics or Microeconomics
   - **PSY 2012** Psychology GEP
   - **SYG 2000** Sociology 3 hrs
   - *See transfer notes*

3. **Core Requirements** (45 hrs)
   - **SOW 3104** Assessing I: Human Development 3 hrs
   - **SOW 3203** Social Welfare and Community Resources 3 hrs
   - **SOW 3300** Practice I: Generalist Practice in Social Work 3 hrs
   - **SOW 3311** 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 3420** Social Work with Diverse Populations 3 hrs
   - **SOW 4730** Documentation in Social Work Practice and Program Services 3 hrs
   - **SOW 4232** Social Welfare Policies and Issues 3 hrs
   - **SOW 4341** Micro-level Roles and Interventions in Social Work 3 hrs
   - **SOW 4343** Macro-level Roles and Interventions in Social Work 3 hrs
   - **SOW 4510** Field Education 9 hrs
   - **SOW 4522** Field Education Seminar 3 hrs

4. **Required Social Work Elective** 3 hrs

5. **Required Principles of Statistics** 3 hrs

6. **Electives** (variable)

7. **Foreign Language or Cultural Diversity Requirement**
   - Choose two of the following suggested courses: **ANT 3332, ANT 3363, ANT 4110, ANT 3640, ASH 4404, ASH 4442, CPO 4303, CPO 4304, HUM 3401, HUM 3417, HUM 3419, JST 3401, JST 3402, JST 3820, LAH 3130, LAH 3200, LAH 3400, LAH 3470, AMH 3561, AMH 3571, AMH 3586, ANT 3302, ANT 3311, ANT 3313, SOP 3724, SOP 3742, SPA 3621, SYD 3700, EDG 2701, HUM 3593C, HUM 2234 or see advisor for more options.

8. **Foreign Language Requirements** (0-8 hrs)
   - **Admissions**: Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

9. **Departmental Exit Requirements** (120 hours)
   - A minimum overall GPA of 2.5 with at least a grade of "C-" (1.75) or higher in each social work course.

10. **University Minimum Exit Requirements**
    - A UCF GPA of 2.0
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 36 hours of course work must be completed in residence at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
    - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

**Related Programs**:
- Criminal Justice, Psychology, Public Administration, Sociology.
- Aging Studies Certificate: In recognition of the special needs of the elderly citizens of Florida, the University offers a fifteen-hour interdisciplinary program leading to a Certificate in Aging Studies. The certificate is open to all students in any major.
  - The program may be of particular interest to students who are majoring in health sciences, psychology, social work, nursing, sociology, business, exercise science, physical education or art education. All students must contact the Coordinator for planning their internship.

**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 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 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 COHPA interdisciplinary Honor course.
- 2. Complete a three-credit thesis course.
- 3. Earn a 3.5 GPA in your Social Work major.
- 4. Earn a cumulative 3.2 GPA in your total UCF courses.
- 5. Complete 60 hours of college credit, including 12 upper division hours at UCF.

**Transfer Notes**: Community College Equivalent courses for prerequisites: any course in the following areas (3 hrs each)
- American Government or American National Government Biology (Human Biology or Anatomy and Physiology)
- Economics (Microeconomics or Macroeconomics)
- Introductory Psychology
- Introductory Sociology
- Principles of Statistics

**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>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 ENC 1102</td>
<td>3 MGF 1106</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1005 or MCB 1310</td>
<td>3 PSY 2012 or SYG 2000</td>
<td>3 MUL 2010 or THE 2000</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000 or PSY 2012</td>
<td>3</td>
<td>STA2014C</td>
<td>3</td>
</tr>
<tr>
<td>STA2014C</td>
<td>3</td>
<td>or REL 2300 or PHI 2010</td>
<td>3</td>
</tr>
<tr>
<td>PAF 2102</td>
<td>2</td>
<td>POS 2014</td>
<td>3</td>
</tr>
</tbody>
</table>

UCF Degree Programs

---

237
SOCIOLOGY (B.A.)

College of Arts and 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 ability to employ a sociological perspective to interpret social institutions and behavior.

Admission Requirements

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

- Communication Foundations
- Cultural and Historical Foundations
- Mathematical Foundations
- Select MAC 1105 College Algebra (or higher)
- Select STA 2014C Principles of Statistics
- Social Foundations
- Select one: ECO 2023, ECO 2033, POS 2041
- Select SYG 2000 General Sociology
- Science Foundations

2. Common Program Prerequisites

- (It is suggested that transfer students complete two lower-level courses with the prefix SYA, SYD, SYG, SYO, or SYP.)

3. Core requirements

- 2000 General Sociology
- 3010 Social Problems
- 3400 Research Methods and Statistics
- 4300 Research Methods
- 4450 Data Analysis
- 3110 Development of Social Thought

4. Restricted Electives

- Select from the following
  - SYA 3120 Modern Sociological Thought
  - SYA 4500C Applied Sociology
  - SYA 5625 Professing
  - 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 Population
  - SYG 2000 General Sociology
  - 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
  - SYP 3300 Collective Behavior
  - SYP 3400 Social Change
  - SYP 3510 Sociology of Deviant Behavior
  - SYP 3511 Sociology of Murder
  - SYP 3520 Criminology
  - SYP 3530 Juvenile Delinquency
  - SYP 3540 Sociology of Law
  - SYP 3551 Sociology of Alcoholism
  - SYP 3562 Socio Perspective on Domestic Violence
  - SYP 3602 Sociology of Popular Music
  - SYP 3630 Sociology of Popular Culture
  - SYP 3650 Sociology and Sport
  - SYP 4000 Sociological Social Psychology
  - SYP 4004 Constructing Social Issues
  - SYP 4323 Social Systems and Diversity
  - SYD 4510 Environmental Sociology
  - SYP 4514 Sociology of Violence
  - SYP 4521 Criminal Victimization in Society
  - SYP 4536 Gangs and Society
  - SYP 4550 Sociology of Drug Abuse
  - SYP 4730 Sociology of Aging
  - SYP 4734 Minority Aging
  - SYD 4810 Women in Contemporary Society
  - SYD 4813 Women and Social Diversity
  - SYP 5525 Sociological Criminology
  - SYP 5564 Seminar on Domestic Violence

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 Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- In addition, either a third semester/proficiency or an approved enhancement course. A list of approved enhancement courses is available from the department.

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.
### UCF Degree Programs

**SPANISH (B.A.)**

**College of Arts and Sciences**

**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**

- 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 1105 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000 General Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SPN 1120* req# Lang/Elect</td>
<td>4</td>
</tr>
<tr>
<td>SPN 1121* req# Lang/Elect</td>
<td>4</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>STA 2014C Prin of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2100 Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
<tr>
<td>SPN 1121* req# Lang/Elect</td>
<td>4</td>
</tr>
</tbody>
</table>

---

**Sophomore Year**

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511* req# 1E2-GEP</td>
<td>3</td>
</tr>
<tr>
<td>EUH 1301* req# 1B1-GEP</td>
<td>3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYD 3700* req# 4-ResElect</td>
<td>3</td>
</tr>
<tr>
<td>SYD 3800* req# 4-ResElect</td>
<td>3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
<tr>
<td>SPN 1121* req# Lang/Elect</td>
<td>4</td>
</tr>
</tbody>
</table>

---

**Junior Year**

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041* req# 1D1-GEP</td>
<td>3</td>
</tr>
<tr>
<td>SYA 3400 Res Methods Stat</td>
<td>4</td>
</tr>
<tr>
<td>SYD 3410* req# 4-ResElect</td>
<td>3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010* req# 1B3-GEP</td>
<td>3</td>
</tr>
<tr>
<td>SYA 4450 Data Analysis</td>
<td>4</td>
</tr>
<tr>
<td>SYD 4100* req# 4-ResElect</td>
<td>3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

---

**Senior Year**

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYA 3120* req# 4-ResElect</td>
<td>3</td>
</tr>
<tr>
<td>SYP 3510* req# 4-ResElect</td>
<td>3</td>
</tr>
<tr>
<td>Elective* Check restrictions</td>
<td>3</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYA 3121* req# 4-ResElect</td>
<td>3</td>
</tr>
</tbody>
</table>

---

**SPANISH (B.A.)**

**College of Arts and Sciences**

**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**

- None

---

**Placement in Language courses**

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

- Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

---

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in Spanish must be taken at the 3000 level or above
- At least 6 of the 36 Spanish credits must be at the 4000 level
- At least 30 hours must be taken in Modern Language courses taught in Spanish
- Students must earn at least a “C” (2.0) in each upper division Spanish course
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. **UCF General Education Program**
   
   **(36 hrs)**
   
   - A. Communication Foundations 9 hrs
   - B. Cultural and Historical Foundations 9 hrs
   - C. Mathematical Foundations 6 hrs
   - Select 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**
   
   **(0-14 hrs)**
   
   - SPN 1120* Elem Spanish Lang & Civ I 4 hrs
   - SPN 2230* Elem Spanish Lang & Civ II 4 hrs
   - SPN 2231* Intern Spanish Lang & Civ I 3 hrs
   - * May be met by proficiency test or completion of SPN 2231

3. **Core requirements**
   
   **(15 hrs)**
   
   - SPN 3300* Adv Spanish Gram and Comp 3 hrs
   - SPN 3420* Spanish Composition 3 hrs
   - SPN 3760* Adv Spanish Oral Comm 3 hrs
   - SPW 3100 & 3101 Survey of Spanish Literature 6 hrs
   - * A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

4. **Upper Division Restricted Electives**
   
   **(21 hrs)**
   
   - a. Select one of the following 3 hrs
     - FOL 3730 Romance Philology
     - SPN 4801 Spanish Morphosyntax
     - SPN 4800 Spanish American Syntax
     - SPN 4780 Spanish Phonetics
     - SPN 3852 Bilinguismo
   - b. Spanish literature beyond the survey level (taught in Spanish) 6 hrs
   - c. Culture and Civilization 3 hrs
   - d. Spanish courses 9 hrs

5. **Departmental Exit Requirements**
   
   - Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division Spanish courses
   - Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.
   - Computer Competency met by CGS 1060C or equivalent or
   - CNH 523

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 advi-
UCF Degree Programs

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 and Iberian Area Studies, Russian 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.
- 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.

Suggested Plan of Study:

Freshman Year
Fall
ANT 2000* req# 1D2-GEP
ENC 1101 Composition I
MGF 1100* req# 1C1-GEP
SPN 1120* req# 2-CPP
Elective* Check restrictions
Spring
ANT 1000* req# 1D1-GEP
MGF 1100* req# 2-CPP
Elective* Check restrictions
Sophomore Year
Fall
AMH 2200* req# 1B1-GEP
ARH 2050* req# 1B3-GEP
PSY 2012 General Psychology
SPW 2200* req# 2-CPP
Elective* Check restrictions
Spring
AMH 2200* req# 2B1-GEP
MGF 1100* req# 3-CPP
Elective* Check restrictions
Junior Year
Fall
SPN 3300 Adv Spa Oral Com
SPN 3420 Spanish Comp
SPN 3760 Adv Spa Oral Com
Elective* Check restrictions
Spring
SPN 3100 Adv Spa Oral Com
SPN 3420 Spanish Comp
SPN 3760 Adv Spa Oral Com
Elective* Check restrictions
Senior Year
Fall
SPN 3100* req# 3-Core
SPN 4520* req# 4C-ResElec
SPN 5705* req# 5D-ResElec
Elective* Check restrictions
Spring
SPN 3100* req# 4B-ResElec
SPN 4520* req# 4C-ResElec
SPN 5705* req# 5D-ResElec
Elective* Check restrictions

SPARTS 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

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.
- 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 36 Hours

A. Communication Foundations (9 hrs)
ENC 1101 Composition I 3 hrs
ENC 1102 Composition II 3 hrs
SPE 1600 Fundamentals of Oral Comm 3 hrs

B. Cultural-Historical Foundations (9 hrs)
AMH 2100 U.S. History 1492-1877 3 hrs
AMH 2200 U.S. History 1877-Present 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs

C. Mathematical Foundations (6 hrs)
MTH 1000 Finite Mathematics 3 hrs
Select one:
STA 1060C Basic Stat using Microsoft Excel or
STA 2040C Biostatistics 3 hrs

D. Social Foundations (6 hrs)
PSC 2010 American National Government 3 hrs
PSY 2010 General Psychology 3 hrs

E. Science Foundations (6 hrs)
PSC 1111 Physical Science 3 hrs
BSC 2010C Biology I 4 hrs

2. Sports and Fitness Lower Division (7 hrs)
PET 2622C Human Injuries 3 hrs

3. Lower Division Electives (7 Hours)
Selected Electives (Prefixes: PEL, PEM, PEO, PET)

4. Sports & Fitness Core (27 Hours)
PET 3137 Concepts and Practices in Sports and Fitness 3 hrs
PET 3408 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 4493 Legal Issues in Sports and Fitness 3 hrs
PET 4550 Fitness Assessment and Exercise 3 hrs

5. Specialization (12 Hours)
Select One Option:
Option A: Coaching
PET 3765 Coaching Theory 3 hrs
PET 3763 Coaching Methods and Principles 3 hrs
PET 4625 Human Injuries - Mechanisms and Prevention 3 hrs

Transfer Notes:

- 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.
- Related Minors: French, Italian, Judaic Studies, Latin American and Iberian Area Studies, Russian 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.
- 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
- AN 2000* req# 1D2-GEP
- ENC 1101 Composition I
- MG 1100* req# 1C1-GEP
- SPN 1120* req# 2-CPP
- Spring
- AN 1000* req# 1D1-GEP
- MG 1100* req# 3-CPP
- Sophomore Year
- Fall
- AMH 2000* req# 1B1-GEP
- ARH 2050* req# 1B3-GEP
- PSY 2012 General Psychology
- SPW 2200* req# 2-CPP
- Spring
- AMH 2000* req# 2B1-GEP
- MG 1100* req# 4-CPP
- Junior Year
- Fall
- SPN 3300 Adv Spa Oral Com
- SPN 3420 Spanish Comp
- SPN 3760 Adv Spa Oral Com
- Spring
- SPN 3300 Adv Spa Oral Com
- SPN 3420 Spanish Comp
- SPN 3760 Adv Spa Oral Com
- Senior Year
- Fall
- SPN 3100* req# 3-Core
- SPN 4520* req# 4C-ResElec
- SPN 5705* req# 5D-ResElec
- Spring
- SPN 3100* req# 4B-ResElec
- SPN 4520* req# 4C-ResElec
- SPN 5705* req# 5D-ResElec
- University of Central Florida
2005-2006 Undergraduate Catalog
Option B: Fitness

PET 3361 Nutrition for Sports and Fitness 3 hrs
PET 3776 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 Council on Exercise (ACE) or an equivalent professional certifying body.

6. Upper Division Elective
(3 hours)

7. Sports & Fitness Practica
(18 Hours)

PET 4925 Sports and Fitness Practicum I 6 Hours
PET 4926 Sports and Fitness Practicum II 12 Hours

During the final year of the program, students will complete Practicum requirements with a Sports or Fitness organization. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization.

In both Practicum I and Practicum II, the student will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status. The Sports and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organizations. Students will have the option to arrange their own practicum experience if they choose. In either case, before enrolling in either Practicum I or Practicum II, students must meet with their advisor to provide organization contact information and gain Practicum Placement Approval.

The students will be instructed that they will be representing not only themselves while on site during their Practicum experiences, but also the University of Central Florida and the Sports and Fitness Program. Professionalism in manner, dress and job performance will be expected at all times. Should there be any question of the performance of the student 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 hours)

State University System foreign language admission requirements: 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 hours)

11. Recommended Four-Year Sequence of Courses
1. UCF General Education Program (39 hrs)
   A. Communication Foundations
      9 hrs
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      7 hrs
      Select MAC 2311 Calculus I
      Select STA 2023 Statistical Methods I
   D. Social Foundations
      6 hrs
   E. Science Foundations
      Select BSC 2010C Biology I
      Select PHY 2053C College Physics or
      CHM 2045C Chemistry Fundamentals I
      4 hrs

2. Common Program Prerequisites (7 hrs)
   COP 3502C* Computer Science I
      3 hrs
   MAC 2311 Calculus with Analy Geo I
      GEP
   MAC 2312 Calculus with Analy Geo II
      4 hrs
   BSC 2010C* Biology I
      GEP
   *See Transfer Notes for possible substitutes

3. Core requirements (51 hrs)
   STA 2023 Statistical Methods I
      GEP
   STA 4102 Computer Process of Stat Data
      3 hrs
   STA 4163 Statistical Methods II
      3 hrs
   STA 4164 Statistical Methods III
      3 hrs
   STA 4321 Statistical Theory I
      3 hrs
   STA 4322 Statistical Theory II
      3 hrs
   COT 4500 Numerical Calculus
      3 hrs
   MAC 2313 Calculus with Analy Geo III
      4 hrs
   ENC 3241 Writing for the Tech Professional
      3 hrs
   COP 3223 Intro to Programming in C*
      3 hrs
   *may substitute an approved programming language course
   a. Select one course
      4 hrs
      MAS 3106 Linear Algebra
      MAS 3105 Linear and Matrix Algebra
   b. Select one course
      3 hrs
      COT 3100C Introduction to Discrete Structure
      MHP 3302 Logic and Proof in Mathematics
   c. Select three from among the following:
      9 hrs
      STA 3096 Statistical Graphics
      STA 4173 Biostatistical Methods
      STA 4222 Sample Survey Methods
      STA 4502 Nonparametric Stat Methods
      STA 4504 Categorical Data Analysis
      STA 4604 Statistical Quality Control
      STA 4852 Applied Time Series
   d. Select two courses and associated labs (incl. 4 hrs GEP)
      4 hrs
      BSC 2011C Biology I
      COT 2011C Biology II
      CHM 2045C Chemistry Fundamentals I
      CM 2046 & L Chemistry Fundamentals II
      PHY 2053C College Physics I
      PHY 2054C College Physics II
   e. Select one course
      3 hrs
      Select any science course from the College of Arts & 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
   - MAC 2233, MAC 2233, MAC 2253, all MAE courses, and MHP 4404 may not be used

5. Departmental Exit Requirements
   - Earn a grade of "C" (2.0) or better in each STA course
   - 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
   Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

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 (Note: Statistics majors may count MAC 2313 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: 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 requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Summer
Math test See catalog

Fall
Senior Year
BSC 2010C Biology I
ENC 1102 Composition II
STA 2023 Stat Methods I
Fall
Senior Year
STA 4163 Stat Methods II
MAC 2311 Calc Anal Geo I
STA 4321 Stat Theory I
Spring
Senior Year
STA 4183* STA 4664* STA 4322 Stat Theory II STA 4322 Stat Theory II
Spring
Senior Year
Summer

Freshman Year
Fall
Spring

AMH 2010* req# 1B1-GEP
ARH 2010* req# 1B3-GEP
PDS 2041* req# 1D1-GEP
MAC 3133 Calc Anal Geo III

Sophomore Year
Fall
Spring

MSC 3105* req# 3a-Core
MAC 3133 Calc Anal Geo III

Junior Year
Fall
Spring

STA 4163 Stat Methods II

Senior Year
Fall
Spring

COT 4500 Numerical Calculus
STA 4102 Comp Oroc of Stat Data
STA 4052* req# 3c-Core
STA 4153* req# 4-ResEle

Elective* Check restrictions

STATISTICS - ACTUARIAL SCIENCE TRACK (B.S.)
See Actuarial Science (B.S.)
1. UCF General Education Program (36 hrs)
   A. Communication Foundations (9 hrs)
      ENC 1101 Composition I 3 hrs
      ENC 1102 Composition II 3 hrs
      SPC 1001 Fundamentals of Oral Communication 3 hrs
   B. Cultural-Historical Foundations (9 hrs)
      STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
   C. Mathematical Foundations (6 hrs)
      MGF 1106 Finite Mathematics 3 hrs
      Select one: 3 hrs
      STA 1060C Basic Statistics using MS Excel or STA 2014C Principles of Statistics
   D. Social Foundations (6 hrs)
      EDG 2701 Teaching Diverse Populations 3 hrs
   E. Science Foundations (6 hrs)
      STA 2014C Principles of Statistics

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 3365 Gen Meth/Test Eval 3 hrs
   EVT 3366 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 Prin/Prac Voc Ed 3 hrs
   EVT 4388 Adv Teaching/Techniques in Voc Ed 3 hrs
   EVT 3367 Eval Vocation Training 3 hrs
   EVT 4169 Cur Dev of Ind Training 3 hrs
   ABE 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. Appropriate documentation must be provided to advisor before this will be submitted for credit.

5. Upper Division Electives (6 hrs)
   (with advisor’s approval)

6. Directed Field Experience (12 hrs)
   - The 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.)

8. Total Program (Track 1) Semester Hours Required: 120 hours

9. Recommended Sequence of Program Courses for Track 1:
   Freshman Year
   Fall (15 hrs)
   ENC 1101 3 hrs
   MGF 1106 3 hrs
   EDF 2005 3 hrs
   Summer (6 hrs)
   EVT 3312 or EVT 3371 3 hrs
   EVT 3365 3 hrs
   EVT 3367 3 hrs
   EVT 4169 3 hrs
   EVT 4368 3 hrs
   Fall (12 or 16 hrs)
   EVT 3365 3 hrs
   EVT 3367 3 hrs
   EVT 4368 3 hrs
   EVT 3502 3 hrs
   EVT 3312 or EVT 3371 3 hrs

   Sophomore Year
   Fall (12 or 16 hrs)
   EVT 3365 3 hrs
   EVT 3367 3 hrs
   EVT 4368 3 hrs
   EVT 3502 3 hrs
   EVT 3312 or EVT 3371 3 hrs

   Junior Year
   Fall (15 hrs)
   EVT 3365 3 hrs
   EVT 3367 3 hrs
   EVT 4368 3 hrs
   EVT 3502 3 hrs
   EVT 3312 or EVT 3371 3 hrs
   EVT 4169 3 hrs
   EVT 4368 3 hrs
   EVT 3502 3 hrs
   EVT 3312 or EVT 3371 3 hrs
   EVT 4169 3 hrs
   EVT 4368 3 hrs

   Senior Year
   Fall (12 hrs)
UCF Degree Programs

A. Communication Foundations
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1600 Fundamentals of Oral Communication 3 hrs

B. Cultural-Historical Foundations
- AMH 2010 U.S. History 1492-1877 3 hrs
- AMH 2020 U.S. History 1877-Present 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

C. Mathematical Foundations
- MGF 1106 Finite Mathematics 3 hrs
- STA 1060C Basic Statistics using MS Excel or
- STA 2014C Principles of Statistics

D. Social Foundations
- ECO 2013 Macroeconomics 3 hrs
- PSY 2012 General Psychology 3 hrs

E. Science Foundations
- PSC 1121 Physical Science 3 hrs
- Select one: 3 hrs
- ANT 2511 The Human Species or
- BSC 1005 Biological Principles

F. Education Courses
- EVT 2005 Introduction to Education 3 hrs
- EDS 2701 Teaching Diverse Populations 3 hrs
- EMR 2940 Technology for Educators 3 hrs

G. Diversity Courses
- EVT 4368 Adv Teaching/Techniques in Voc Ed 3 hrs
- EVT 3367 Eval Vocation Instruction 3 hrs

H. Other Program Prerequisites
- EVT 3965 Princip/Prac Voc Ed 3 hrs

I. University Minimum Exit Requirements
- 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)

J. Education Core Requirements
- EVT 4368 Adv Teaching/Techniques in Voc Ed 3 hrs

K. 4. Program Core Requirements
- EVT 3965 General Education Program (6 hrs)
- EVT 3965 Professional Role Voc Ed Teacher 3 hrs
- EVT 4410 Course Construction in Business Ed 3 hrs
- EVT 3502 Special Needs Voc Ed Students 3 hrs
- EVT 4065 Adv Teaching/Techniques in Voc Ed 3 hrs

L. 5. Occupational Specialization Requirements
- EVT 4368 Adv Teaching/Techniques in Voc Ed 3 hrs
- EVT 3367 Eval Vocation Instruction 3 hrs

M. 6. Directed Field Experience
- Occupational specialization and all course requirements must be completed before directed field experience

N. 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 State Board of Education Rule 6A-5.065

O. 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.)

P. 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)

Q. 10. Total Program (Track 2) 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.

R. 11. Recommended Sequence of Program Courses for Track 2:
- Fall (12 hrs) Spring (6 hrs)
- Fall (15 hrs) Spring (5 hrs)
THEATRE STUDIES (B.A.)

College of Arts and Sciences
Department of Theatre, UTC 180; 407-823-2862
http://www.theatre.ucf.edu
E-mail: ktollefs@mail.ucf.edu

Kristina Tollefson, 407-823-0233
E-mail: ktollefs@mail.ucf.edu
http://www.theatre.ucf.edu

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, 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 maintain a minimum “C” (2.0) overall Theatre GPA to continue in the major.

- Students must consult with a departmental advisor each semester before registering.

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

UCF Degree Programs

1. UCF General Education Program

A. Communication Foundations

B. Cultural and Historical Foundations

C. Mathematical Foundations

D. Social Foundations

E. Science Foundations

2. Common Program Prerequisites

THE 2020* Survey of Theatre for majors

THE 2XXX* Script Analysis

THE 2290* Theatre Production/Perform I

THE 2291* Theatre Production/Perform II

THE 3101* Technical Theatre Production

TPP 2190* Theatre Production/Perform I

*See Transfer Notes for possible substitutes

3. Core requirements

THE 3110 Theatre History I

THE 3111 Theatre History II

THE 3950 Dramatic Literature I

THE 3960 Dramatic Literature II

TPP 2101 Fundamentals of Acting

TPP 3310C Directing I

4. Restricted Electives

Select 16 hours from the following

THE 2271 Performance Studies

THE 3230 Commonality within Cultural Diversity

Experience through Theater

THE 3020 Theatre Careers

THE 3240 Musical Theatre Survey

THE 4093 Theatre Production/Perform IV

THE 4094 Theatre Production/Perform V

THE 4096 Theatre Production/Perform VI

THE 4097 Theatre Production/Perform VII

THE 4372 Drama of Tennessee Williams

THE 5301* Contemporary Theatre Practice

TPA 2248C Makeup/Technique

TPA 3043C Costume History I

TPA 3044C Costume History II

TPA 3195 Theatre Studio/Tech/Design

TPA 3197 Summer Theatre Studio/Tech/Design

TPA 3601* Stage Management

TPA 4400 Theatre Management

TPP 3103 Intermediate Acting

TPP 3197 Summer Theatre/Performance

TPP 3952 Studio Performance

TPP 4311* Directed Reading/Thesis

Any DAA courses with instructor and departmental approval

THE 3930* Independent Study

THE 4912* Undergraduate Research

Honors in the Major Directed Readings and Thesis* 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

- Minimum of 30 theatre credits must be completed in residency at UCF

6. Foreign Language Requirements
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 (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: 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 Substitutions 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. 2XXX (Script Analysis): may use THE 2300 or THE 3305
- THE 2090: may use THE 2925
- TPA 2290: may use TPA 1290
- TPP 2190: may use TPP 1110
- TPP 2201: may use TPA 2200 or TPA 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.

Freshman Year
Fall
ENC 1101 Composition I 3
MGF 1106* req# 1C-GEF 3
THE 200 Sur of The for Maj 3
THE 2400 Script Analysis 3
TPA 2201 Tech Theatre Prod 3
Audition See catalog 0

Sophomore Year
Fall
ANT 2511* req# 1E2-GEF 3
HUM 2211* req# 1B1-GEF 3
PSC 1121* req# 1E1-GEF 3
THE 2090 The Prod Perf I 3
THE 3110 Theatre History I 3

Fall
Spring
ANT 2000* req# 1D2-GEF 3
COM 1000* req# 1A3-GEF 3
TPA 2200 The Prod Perf I 3
TPP 3100C Directing I 3
THE 2271* req# 4-ResElect 3
THE 3082* req# 4-ResElect 3

Junior Year
Fall
PSC 1121* req# 1E1-GEF 3
THE 3306 Dramatic Lit II 3
Audition See catalog 0

Senior Year
Fall
TPP 2190 The Prod Perf I 1
THE 4093* req# 4-ResElect 3
Minor* req# 7-Minor 3
Elective* Check restrictions 3

Spring
THE 2271* req# 4-ResElect 3
Minor* req# 7-Minor 3
Elective* Check restrictions 3

Total Year
THE 3305 Dramatic Lit I 3
Spring
POS 2041* req# 1D1-GEF 3
THE 3240* req# 4-ResElect 3
Minor* req# 7-Minor 3
Minor* req# 7-Minor 3
Elective* Check restrictions 3

THEATRE (B.F.A.)
College of Arts and Sciences
Department of Theatre, UTC 180; 407-823-2862
http://www.theatre.ucf.edu
E-mail: ktoliefs@mail.ucf.edu
Kristina Tollefson, 407-823-0233

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/tech. 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 Chair.
- The departmental faculty evaluates students desiring to become 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 monologues of contrasting styles limited to a combined time of 3 minutes. See www.theatre.ucf.edu for details and to schedule an appointment.
- Design/Tech 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. Three-dimensional pieces should be submitted in photo format. For details, contact the Department of Theatre or visit the audition site online at www.theatre.ucf.edu.
- 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 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 evaluation.
- 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

- All BFA students should participate, in some capacity, on two UCF affiliated productions during both Fall and Spring semesters. Students failing to successfully participate will be placed on probation for one semester. Continued failure will result in being dropped as a major.
- All BFA students must include a participation credit course during every semester.
- 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. It is not designed for transfer students. Transfer students may audition and be admitted, but they should consult with the 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 strongly encouraged to take ARH 2050 and ARH 2051 as electives as early in their career as possible.
- 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
   - Select course from B.1.B.1 list
   - Select THE 2020 Survey of Theatre for Majors
   - Select ARH 2051 History of Western Art II

B. Cultural and Historical Foundations
   - Select one course from MGF 1106 Finite Mathematics
   - Select STA 1060C Statistics Using Excel

C. Social Foundations
   - Select one course from 1.B.1 list

D. Science Foundations
   - Select one course from 1.B.1 list

2. Common Program Prerequisites (9 hrs)

THE 2020* Survey of Theatre for majors
THE XXX* Script Analysis
THE 2090* Theatre Production/Performance I
TPA 2290* Theatre Production/Performance I
TPP 2210* Stagecraft I
TPP 2190* Theatre Production/Performance I

*See Transfer Notes for possible substitutes

3. Core Requirements (18 hrs)

TPP 2110C Acting I - Introduction
THE 3305 Dramatic Literature II
THE 3304 Dramatic Literature II
THE 3110 Theatre History I
THE 3111 Theatre History II
TPP 3110C Directing I
TPA 2210 Stagecraft I

4. A. Specialization: select one area (66 hrs)

Acting Specialization

TPP 2170C Acting II - Fundamentals
DAA 2200C Ballet I
TPP 2710C Voice Production I
TPP 3172C Acting III - Characterization
TPP 4191 Thea. Prod./Perf. I
TPP 4194 Thea. Prod./Perf. V
DAA 2201C Ballet II
TPP 3212C Stage Combat
TPP 3227 Music Tha. Voice I
TPP 3258 Musical Theatre Voice II
TPP 3711C Voice Production II
TPP 3712C Voice Production III
TPP 3730C Voice Production IV
TPP 4140C Acting IV - Studio
TPP 4142C Acting V - Verse
TPP 4285C Acting for TV/Film
TPP 4531C Period Movement
TPP 4940 Theatre Performance Internship
TPP 2248C Makeup Techniques
TPP 3232 Theatre Careers for Performance
DAA 2570C Jazz Dance I

4B. Restricted Electives (see specializations) (16 hrs)

Stage Management Specialization

TPP 2211 Stagecraft II
TPP 4602 Advanced Stage Management
TPP 4400 Theatre Management
TPP 2170C Acting II - Fundamentals
TPP 2000C Theatre Design Basics
TPP 2220 Stage Lighting
TPP 2248C Makeup Techniques
TPP 3060C Scene Design I
TPP 3216C Stagecraft III
TPP 3211 Lighting Design
TPP 3230 Costume Construction
TPP 3197 Summer Theatre Tech
TPP 3195 Theatre Studio Tech
TPP 4294 Thea. Prod./Perf. IV
TPP 4295 Thea. Prod./Perf. V
TPP 3601 Stage Management
TPP 3600 Sound Design for Theatre
TPP 4940 Design/Tech Internship
TPP 3401 Theatre Careers for Tech/Management
TPP 3520 CADD for Theatre

Restricted electives (see list of courses)

Design and Technology Specialization

TPP 2211 Stagecraft II
TPP 4220 Stage Lighting
TPP 2000C Theatre Design Basics
TPP 2071C Theatre Rendering
TPP 3040 Costume Design
TPP 3043C Costume History I
TPP 3044C Costume History II
TPP 3060 Scene Design I
TPP 3061 Scene Design II
TPP 4041C Costume Design II
TPP 3077 Scene Painting
TPP 3216C Stagecraft III
TPP 3221 Lighting Design
TPP 3197 Summer Theatre Tech
TPP 3195 Theatre Studio Tech
TPP 3620 Costume Construction
TPP 3620 Cost Design for Theatre
TPP 3401 Theatre Careers for Tech/Management

Restricted electives (see list of courses)

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.
- Computer Competency met by STA 1060C
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 desiring to major in musical theatre and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre, and the production industry and the musical theatre stage. It is offered for students desiring to major in the entertainment industry.

Due to 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, and dance.

Fall and Spring productions and must accept the roles assigned. Students failing to successfully participate will be placed on probation for one semester. Continued failure may result in being dropped as a major.

All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned. Students failing to successfully participate will be placed on probation for one semester. Continued failure may result in being dropped as a major.

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.

Departmental Residency Requirement consists of 60 semester hours of regularly scheduled courses taken from the UCF Theatre Department.

All theatre students should participate, in some capacity, on two UCF-affiliated productions during both Fall and Spring semesters. Students failing to successfully participate will be placed on probation for one semester. Continued failure may result in being dropped as a major.

All theatre students must include a participation credit course during every semester.

Theatre Department majors are required to audition for all Fall and Spring productions and must accept the roles assigned. Students failing to successfully participate will be placed on probation for one semester. Continued failure may result in being dropped as a major. Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. It is not designed for transfer students.

Transfer students may audit and be admitted, but they should consult with the 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.
4. Specialization: Upper Division (54 hrs)

TPP 3172C Acting III - Characterization 3 hrs
TPP 3250C Musical Theatre Acting Perf I 3 hrs
TPP 3252C Musical Theatre Acting Perf II 3 hrs
TPP 4253C Musical Theatre Acting Perf III 3 hrs
THE 4244 Musical Theatre History I 3 hrs
THE 4245 Musical Theatre History II 3 hrs
TPP 3223C Theatre Careers for Performance 3 hrs
TPP 4531C Period Movement 2 hrs
TPP 3512C Stage Combat 2 hrs
TPP 4255C Musical Theatre Cabaret 3 hrs
TPA 2248C Make-up Techniques 2 hrs
THE 3110C Theatre History I 3 hrs
TPP 3310C Directing I 3 hrs
TPP 4193C Theatre Production/Performance IV 1 hrs
TPP 4194C Theatre Production/Performance V 1 hrs
TPP 4195C Theatre Production/Performance VI 1 hrs
TPP 3257C Musical Theatre Voice I 2 hrs
TPP 3259C Musical Theatre Voice II 2 hrs
TPP 4259C Musical Theatre Voice III 2 hrs
TPP 4923C Musical Theatre Voice IV 3 hrs
TPP 4940 Internship 6 hrs

4B. Restricted Electives (8 hrs)
Chosen from the following
THE 3230C Commonality within Cultural Diversity 3 hrs
THE 5307C Contemporary: Thea. Pract. 3 hrs
THE 4372C Theatre/Drama of Tenn. Williams 3 hrs
TPA 3197C Summer Theatre Studio/Tech/Design 3 hrs
TPP 3195C Theatre Studio/Tech/Design 3 hrs
TPP 3197C Summer Theatre Perform. 3 hrs
TPP 3585C Studio Performance 3 hrs
TPP 4143C Acting Styles 3 hrs
TPA 3601C Stage Management 3 hrs
TPA 4600C Theatre Management 3 hrs
THE 3905C Independent Study 1-9 hrs
TPP 4311C Advanced Directing 3 hrs
Any DAA courses with instructor and departmental approval 2-8 hrs
THE 4912C 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
- 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
- Computer Competency met by STA 1060C

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)
MINORS

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.

**Minor**

- Accounting
- Aerospace Studies
- African - American Studies
- Aging Studies
- American Humancis
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art History
- Art - Studio
- Asian Studies
- Astronomy
- Biology
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communicative Disorders
- Community Arts - PAVE
- Computer Science
- Criminal Justice
- Dance
- Digital Media
- Early Childhood Education
- e-Business
- Economics
- Emergency Management
- 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 Business
- Interpersonal Communication
- Italian
- Judaic Studies
- Latin American Area Studies
- Legal Studies
- Magazine Journalism
- Management Information Systems
- Marketing
- Mass Communication
- 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
- 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

**Certificates**

- Addictions Certificate
- Aging Studies Certificate
- American Sign Language Certificate
- Behavioral Forensics Certificate
- Children's Services Certificate
- Computer Information Technology 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: Corporat Finance Certificate
- Finance: Investments Certificate
- Information Technology 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
- Music Technology
- Non-Profit Management Certificate
- Security Management Certificate
- Translation and Interpretation Certificate
- Women's Studies Certificate

**Additional UCF Programs**

Foreign Study Abroad Program:
- Dominca
- France
- Germany
- Italy
- Japan
- Jordan
- 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)
AGC 2021 Principles of Financial Accounting 3 hrs
AGC 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):
AGC 3131 Financial Accounting Concepts and Analysis 3 hrs
AGC 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)
AGC 3131 Financial Accounting Concepts and Analysis 3 hrs
AGC 3361 Intermediate Managerial Accounting 3 hrs
AGC 3141 Intermediate Financial Accounting 3 hrs
AG 3901 Accounting and Auditing in the Public Sector 3 hrs
AGC 4401 Accounting Information Systems 3 hrs
AGC 4651 Auditing 3 hrs
AGC 4671 Internal Auditing 3 hrs
AGC 4932 Approved Special Topics Courses in Accounting 3 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 4453 Financial Models 3 hrs
ISM 3500M MIS Techniques 3 hrs
ISM 4212 Database Management Systems 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
Lt Col Timothy D. Wieck, 407-823-1247

Credit Hour Requirements 16 hrs
Required Courses (16 hr)
AFR 2101C The Air Force Today I 1 hr
AFR 1111 The Air Force Today II 1 hr
AFR 2120C The Development of Air Power I 1 hr
AFR 2220C Air Force Leadership and Management I 3 hrs
AFR 3230 Air Force Leadership and Management II 3 hrs
AFR 4201C Nat Scry Forces in Cont Am Soc I 3 hrs
AFR 4210 Nat Scry Forces in Cont Am Soc II 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C" (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

AFRICAN-AMERICAN STUDIES: Minor
College of Arts and Sciences
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 and Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

Credit Hour Requirements 18 hours
Required Courses (6 hrs)
AF 3104 The African American Experience 3 hrs
AMH 3571 Black American History I 3 hrs

Restricted Electives (12 hrs)
AF 3930 African American Art 3 hrs
AFR 3051 African American Cinema 3 hrs
AFR 3210 African American Literature 3 hrs
AFR 3220 African American Political History 3 hrs
AFR 3230 African American History 3 hrs
AFR 3240 African American Sociology 3 hrs
AFR 3250 African American Studies 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C" (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit cannot be used toward the minor.

AGING STUDIES: Minor
College of Health and Public Affairs
School of Social Work, HPA1 204
BSW Coordinator, HPA 1 204, 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 (8 hrs)
GEY 3001 Gerontology: Interdisciplinary Overview 3 hrs
Required Internship: 120 hours

Select one:
SOW 4453 Internship 3 hrs
HSA 4941 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 major 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
PLA 4530 Legal Issues of the Elderly 3 hrs

College of Arts and Sciences
SOW 4845 Social Services for the Elderly 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C" (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit cannot 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 credit hours)
Required Courses (6 credit hours)
PAF 3930 American Humanities Human Service Workshop 3 hrs
PAF 4000 American Humanities Internship 3 hrs

Restricted Electives  Choose at least two from the following (6 credit hours)

Group I: General Nonprofit Management, Volunteerism and Human Development 3 hrs
EDG 4041 Directed Field Experience
PAD 4144 Nonprofit Organizations
PAD 4148 Volunteer Management
*SOW 3203 Social Welfare and Community Resources
*SOW 3104 Assessing I - Human Development

Group II: Planning & Evaluation and Human Resource Development 3 hrs
PAD 4114 Human Resource Management
MAN 3025 Management of Organizations
MAN 3091 Human Resource Management
MAN 4011 Human Relations in Management
MAN 4320 Human Resources, Recruitment & Selection

Group III: Communication & Marketing 3 hrs
PAD 4144 Nonprofit Organizations
*SOW 3502 Practice II: Interpersonal Skills
COM 3110 Business & Professional Communications
GEB 3031 The Cornerstone Course
MAR 2023 Marketing
MAR 3641 Marketing Intelligence
MAR 4003 Marketing Management

Group IV: Nonprofit Accounting & Financial Management and Fund Raising Principles & Practices. 3 hrs
PAF 4000 American Humanities Internship
ACG 2021 Financial Accounting
ACG 2071 Managerial Accounting
PAF 5850 Grant and Contract Management
PAF 4204 Fiscal Management
PAD 4131 Public Sector Project Management
PAD 4147 Resource Development in the Nonprofit Sector

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 4145 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

UNITED STATES: Minor
College of Arts and Sciences
Liberal Studies Office, CNH 201
http://www.cas.ucf.edu/liberal_studies
E-mail: ls@mail.ucf.edu
Liberal Studies Advising Team

Credit Hour Requirements 21 hours
Required Courses (9 hrs)
Select one course in each of the three categories below

Group I: General Nonprofit Management, Volunteerism and Human Development

Group II: Planning & Evaluation and Human Resource Development

Group III: Communication & Marketing

Restricted Electives (12 hrs)
Courses chosen from courses approved by the Liberal Studies advisors. A list can be obtained by meeting with an advisor to plan your course of study.

Other Requirements
■ Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
■ At least eighteen credit hours must be earned in upper level credits.
■ At least 15 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ANTHROPOLOGY: Minor
College of Arts and Sciences
Department of Sociology & Anthropology, PH 403
http://cas.ucf.edu/soc_anthro/firstpage.html
anthropology@ucf.edu
Jay Corzine, 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
Required Courses (6 hrs)
Two of the following four 2000 level courses must be included in the minor:
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

Restricted Electives (12 hrs)
Four other Anthropology courses must be taken within one of the following defined concentrations. Substitutions must be approved by the Anthropology Coordinator.

Concentration in General Anthropology (12 hrs)
All four 2000 level courses plus two upper level (3000-5000) courses in Anthropology

Concentration in Archaeology (12 hrs)
ANT 2000 and ANT 2100 must be taken. The other four courses must be selected from:
ANT 3158 Florida Archaeology
ANT 3115 Archaeological Method and Theory
ANT 3142 Old World Prehistory
ANT 3145 Archaeology of Complex Societies
ANT 3163 Mesoamerican Archaeology
ANT 3168 Maya Archaeology (or ANG 6168)
ANT 3184 Mortuary Archaeology
ANT 4153 North American Archaeology
ANT 4180C Seminar in Laboratory Analysis
ANT 4824 Advanced Archaeological Field Work
ANG 5166 Problems of Maya Archaeology
ANG 5167 Maya Hieroglyphs
ANG 5228 Maya Iconography

Concentration in Physical Anthropology (12 hrs)

ANT 2000 and ANT 2410 must be taken. The other four courses must be selected from:
- 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 3367 Indians of the SE US
- ANT 3312 Ethnology of North Amer Indians
- ANT 3313 Indians of N Amer High Plains
- ANT 3314 Indians of the Northeast Woodlands
- ANT 3318 Indians of the Northwest Coast
- ANT 3314 Indians of the Northwest Coast
- ANT 3332 The Inca
- ANT 3333 Peoples and Culture of Latin America
- ANT 3701 Applied Anthropology
- ANT 3904 Anthropology of Japan
- ANT 3401 Language and Culture
- ANT 3401 Caribbean Culture
- ANT 3319 The Anthropology of Diaspora
- ANT 4034 History of Anthropological Thought
- ANT 4036 Gender Issues in Latin America
- ANG 5167 Maya Hieroglyphs
- ANG 5228 Maya Iconography
- ANG 6324 Contemporary Maya

Other Requirements
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.

ANTHROPOLOGY IN MULTICULTURAL STUDIES: Minor

College of Arts and Sciences
Department of Sociology & Anthropology, PH 403
http://www.cas.ucf.edu/soc_anthro/firstpage.html
Jay Corzine, 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)
One of the following two 2000 level courses must be included in the minor:
- ANT 2000 General Anthropology
- ANT 2410 Cultural Anthropology

Restricted Electives (15 hrs)

Five other Anthropology courses must be taken from the following offerings.

Substitutions require the consent of the Anthropology Coordinator.

- ANT 3164 The Inca
- ANT 3212 Peoples of the World
- ANT 3241 Magic, Ritual, and Belief
- ANT 3245 Native American Religions
- ANT 3302 Sex, Gender and Culture
- ANT 3312 Ethnology of North Amer Indians
- ANT 3332 People and Culture of Latin America
- ANT 3340 Language and Culture
- ANT 3340 Caribbean Culture
- ANT 3319 The Anthropology of Diaspora

ANT 3240 Latin American Art
ANT 3240 African Art
ANT 3300 Contemporary Maya
ANT 3300 Gender Issues in Latin America
ANT 3300 Race and Ethnic Minorities in the US

Other Requirements
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

ART HISTORY: Minor

College of Arts and Sciences
Art Department, VAB 117
http://www.art.ucf.edu/art@ucf.edu
J. Chavda, 407-823-2676

Credit Hour Requirements 27 hours

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>The History of Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>The History of Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4310</td>
<td>Early Italian Renaissance Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4430</td>
<td>19th Century Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Non-western Course Requirement (3 hrs)

- Select from the following:
  - ARH 4451 | Art of India | 3 hrs |
  - ARH 3520 | African Art | 3 hrs |
  - ARH 4655 | Meso American Art | 3 hrs |

Restricted Elective: (3 hrs)

- ARH 4580 | Baroque Art | 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 six of the required hours must be regularly scheduled 3000-4000 level courses in an area of specialization and taken at UCF.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ART - STUDIO: Minor

College of Arts and Sciences
Art Department, VAB 117
http://www.art.ucf.edu/art@ucf.edu
J. Chavda, 407-823-2676

Credit Hour Requirements 24 hours

Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>The History of Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>The History of Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2201C</td>
<td>Design Fundamentals 2-D</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2203C</td>
<td>Design Fundamentals 3-D</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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 an 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.

253
Minors

ASIAN STUDIES: Minor
College of Arts and Sciences
Liberal Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies

E-mail: ls@mail.ucf.edu
Liberal Studies Advising Team, 407-823-0144

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
Required Course (3 hrs)
HUM 3401 Asian Humanities

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 Arts and Sciences
Department of Physics, MAP 310
physics@ucf.edu
407-823-2325

Credit Hour Requirements
Required Course (3 hrs)
PHY 2048 Physics for Engineers & Scientists I 3 hrs

Restricted Electives (18 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.

CHEMISTRY: Minor
College of Arts and Sciences
Department of Chemistry and Forensic Science, CH 117
http://www.cas.ucf.edu/chemistry
chemistry@ucf.edu

Credit Hour Requirements
Required Courses
CHM 2046 Chemistry Fundamentals I 3 hrs
CHM 2048 Chemistry Fundamentals II 3 hrs
CHM 2210 Organic Chemistry 3 hrs
CHM 2211 Organic Laboratory Techniques I 2 hrs
CHM 3100 Analytical Chemistry 5 hrs

Restrict Upper Division Electives
(7 hrs)
At least one course must be selected from group I and the remaining from group II and/or I.

Group I: Select at least one course
CHM 3212L Organic Laboratory Techniques II
CHM 4130L Advanced Analytical Laboratory Technique
BCH 4103L Biochemical Methods
CHS 3330C Forensic Analysis of Controlled Substances
CHM 3411L Physical Chemistry Laboratory
CHM 5451C Polymer Chemistry Laboratory

Group II:
BCH 4031 Biochemistry I
CHM 4054 Biochemistry II
CHM 3410 Physical Chemistry I
CHM 3411 Physical Chemistry II

BSC 2011C Biology II 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2210 Organic Chemistry 3 hrs
PCB 3023 Molecular Cell Biology 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3063 Genetics 3 hrs
PCB 4683 Population Biology and Evolution 5 hrs

BUSINESS: Minor for Non-Business Majors
College of Business Administration, BA2-101
B. Moore, 407-823-5256, bmoore@bus.ucf.edu

Credit Hour Requirements
Required Accounting Course(s)
ACG 2021 Principles of Managerial Accounting
ACG 2071 Principles of Financial Accounting 6 hrs

Required Courses
ECO 2013 Microeconomics 3 hrs
ECO 2023 Macroeconomics 3 hrs
FIN 3403 Business Finance 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs

Restricted Elective
(3 hrs)
A 3000 level business core course
(GEB 3004 may not be used)

Other Requirements
- 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.

BIOLOGY: Minor
College of Arts and Sciences
Biology Department, Bl 301
http://pegasus.cc.ucf.edu/~biology
E-mail: biology@ucf.edu
F. Logiudice, 407-823-2141

Credit Hour Requirements
Required Courses
BSC 2010C Biology I 4 hrs
The prerequisites in effect at that time. prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

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.

Credit Hour Requirements

18 hours

Required Courses (18 hrs)

*PET 2622C Human Injuries 3 hrs
PET3705 Coaching Theory 3 hrs
PET3403 Sports Ethics 3 hrs
PET4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4763 Coaching Methods and Principles 3 hrs
Select one course from the following:
PEO2624 Coaching Football 3 hrs
PEO3544 Coaching Basketball 3 hrs
PEO3324 Coaching Volleyball 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 11 hours used in the minor must be earned at UCF within the department, with a minimum GPA of 2.0.
No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Restricted Electives (6 hrs)

Cognitive Sciences: Minor
College of Arts and Sciences
Philosophy Department, CHS 411
http://www.cas.ucf.edu/philosophy/

E-mail: phildept@ucf.edu
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, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuromaging, information technology, clinical or counseling psychology, biotechnology, and others.

Credit Hour Requirements

21 hrs

Note: It is the student’s responsibility to satisfactorily complete all prerequisite courses prior to registering for each course. Students...
COMMUNICATIVE DISORDERS: Minor
College of Health and Public Affairs
Department of Communicative Disorders
Required Courses (18 hrs)
Credit Hour Requirements 22 hours
Required Courses
- SPA 3711: Communicative 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 Sciences
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) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

DANCE: Minor
College of Arts and Sciences
Theatre Department, UTC 180
http://www.theatre.ucf.edu
ktollesf@mail.ucf.edu
Kristina Tollefson, 407-823-2862
Credit Hour Requirements 18 hrs
Entrance Requirement
A successful audition
Required Courses (11 hrs)
- DAA 2130: Dance History I 3 hrs
- DAA 2150: Dance Improvisation/Composition I 3 hrs
- DAA 2100C: Modern Dance I 2 hrs
- DAA 2200C: Ballet I 2 hrs
- DAA 3680: Dance Performance 1 hr
Electives (7 hrs)
- DAA 2570C: Jazz Dance I 2 hrs
- DAA 2571C: Jazz Dance II 2 hrs
- DAA 3502C: Jazz Dance III 2 hrs
- DAA 2502C: Tap Dance I 2 hrs
- DAA 2521C: Tap Dance II 2 hrs
- DAA 3524C: Tap Dance III 2 hrs
- DAA 2201C: Ballet II 2 hrs
- DAA 2202C: Ballet III 2 hrs
- DAA 2101C: Modern Dance II 2 hrs
- DAA 3102C: Modern Dance III 2 hrs
- DAA 2393C: World Dance 2 hrs
- DAA 3645: Choreography Practicum 2 hrs
- DAA 3680: Dance Performance 1 hr
THE 2090: Theatre Production/Performance I 1 hr

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.
- Participation on a minimum of one departmental dance concert.

CRIMINAL JUSTICE: Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, HPA 311
David Fabianic, 407-823-5940
cjadvis@mail.ucf.edu
Credit Hour Requirements 18 hours
Required Courses (6 hrs)
- CJC 3024: Criminal Justice System 3 hrs
- CJC 3014: Crime in America 3 hrs
Restricted Electives (12 hrs)
Two of the following:
- CJE 3510: Prosecution of Victims
- CJC 3010: Theory of Crime
- CJC 4014: Police and Society

Other Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

DANCE: Minor
College of Arts and Sciences
Theatre Department, UTC 180
http://www.theatre.ucf.edu
ktollesf@mail.ucf.edu
Kristina Tollefson, 407-823-2862
Credit Hour Requirements 18 hrs
Entrance Requirement
A successful audition
Required Courses (11 hrs)
- DAA 2130: Dance History I 3 hrs
- DAA 2150: Dance Improvisation/Composition I 3 hrs
- DAA 2100C: Modern Dance I 2 hrs
- DAA 2200C: Ballet I 2 hrs
- DAA 3680: Dance Performance 1 hr
Electives (7 hrs)
- DAA 2570C: Jazz Dance I 2 hrs
- DAA 2571C: Jazz Dance II 2 hrs
- DAA 3502C: Jazz Dance III 2 hrs
- DAA 2502C: Tap Dance I 2 hrs
- DAA 2521C: Tap Dance II 2 hrs
- DAA 3524C: Tap Dance III 2 hrs
- DAA 2201C: Ballet II 2 hrs
- DAA 2202C: Ballet III 2 hrs
- DAA 2101C: Modern Dance II 2 hrs
- DAA 3102C: Modern Dance III 2 hrs
- DAA 2393C: World Dance 2 hrs
- DAA 3645: Choreography Practicum 2 hrs
- DAA 3680: Dance Performance 1 hr
THE 2090: Theatre Production/Performance I 1 hr

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.
- Participation on a minimum of one departmental dance concert.
DIGITAL MEDIA: Minor
College of Arts and Sciences
Digital Media Program, VAB 205
http://www.creat.cas.ucf.edu
moshelli@cs.ucf.edu
M. Moshell, 407-823-6100

Credit Hour Requirements 18 hrs
Required Courses: 12 hrs
DIG 3001 Principles of Digital Media
GRA 2101C Introduction to Computer Art
DIG 4710L Internet Interaction
COP 2500C Concepts in Computer Science

Restricted Elective Courses 6 hrs
Select two courses:
MUS 2360C Intro to Music Technology
ENC 4415 Digital Rhetorics and the Modern Dialectic
IDS 3701C Internet Software Design
ART 2201C Design Fundamentals I
DIG 3390C Assembling Digital Media
FIL 3625 Interactive Entertainment
DIG 4921C Media for e-Commerce I
DIG 4641 Creative Digital Devices
DIG 4780 Modeling for Realtime Graphics
DIG 3135C Digital Imagery
DIG 3855 Converging Media
DIG 4640 Autonomous Media
DIG 4715C Game Engines
DIG 4713C Game Design

Other Requirements
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission.

EARLY CHILDHOOD EDUCATION: Minor
College of Education
Department of Child, Family, and Community Sciences
ED 209
http://pegasus.cc.ucf.edu/~eceucf/
Program Coordinator: Lynn Hartle
ED 206-K, 407-823-4163
E-mail: harttle@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.

Credit Hour Requirements 21 hours
Required Courses (18 hrs)
RED 3310 Emergent Literacy 3 hrs
ECC 3268 Play Development 3 hrs
EDF 3307C Learning Environments & Guidance 3 hrs
EEX 3450 Young Children with Special Needs 3 hrs
EEX 4751 Parent Involvement 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools

Restricted Electives (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 Safety & Nutrition 3 hrs

ECONOMICS: Minor
(for both Business Majors and non-Business Majors)
College of Business Administration
Department of Economics, BA 318
R. Pennington, 407-823-2640, rpennington@bus.ucf.edu

Credit Hour Requirements 18 hrs
Required Courses (9 hrs)
ECO 2013 Macroeconomics 3 hrs
ECO 2023 Microeconomics 3 hrs
Select one of the following two courses:
ECO 3101 Intermediate Price Theory 3 hrs
ECO 3203 Aggregate Econ Conditions Anal 3 hrs

Upper Division Restricted Electives (9 hrs)
Select from any ECO, ECP or ECS courses at the 3000-4000 level, excluding ECO 3401. Note: ECO 3401 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.
- 3 hours of Internship or Independent Study credit can be used toward the minor with prior approval of the economic advisor.

EMERGENCY MANAGEMENT: Minor
College of Health and Public Affairs
Department of Public Administration, HPA2 238
Dr. Ronnie Korosec, 407-823-2604; fax: 407-823-5651
Email: rkorosec@mail.ucf.edu

The minor in emergency management 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 and booming area of study. Students who complete a minor in emergency management gain additional insight and knowledge that will help them find positions in various federal, state and local government and nonprofit organizations. Some of these may include the Environmental Protection Agency, the Occupational Health and Safety Administration, the Orange County Emergency Management Division, and the Federal Emergency Management Agency, among others.

Credit Hour Requirements 18 hrs
Core Courses (18 hrs)
PAD 4110 Intergovernmental Administration 3 hrs
PAD 4392 Managing Public Emergencies 3 hrs
PAD 4393 Emergency Management and Disaster Planning 3 hrs
PAD 4712 Information Systems for Public Managers and Planners 3 hrs
PAD 4395 Disaster Response and Recovery 3 hrs
PAD 4390 Hazard Mitigation 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 with-
Minors

ENGLISH - CREATIVE WRITING: Minor
College of Arts and Sciences
Department of English, CNH 301
english@ucf.edu
T. Krise, 407-823-2212

Credit Hour Requirements 21 hours

Required Course (3 hrs)
CRW 3013 Creative Writing for English Majors

Restricted Elective Courses (6 hrs)
Select one course after completing CRW 3013
CRW 3120 Fiction Writing Workshop
CRW 3211 Nonfiction Writing
CRW 3510 Poetry Writing Workshop
CRW 3211 Creative Nonfiction Writing

Restricted Upper Division Electives (12 hrs)
CRW 3311 Structure of Verse
CRW 3610 Writing Scripts
CRW 4144 History of Prose Style
CRW 5932 Teaching Creative Writing
and any of the above courses not already used

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - LINGUISTICS: Minor
College of Arts and Sciences
Department of English, CNH 301
english@ucf.edu
T. Krise, 407-823-2212

Credit Hour Requirements 18 hours

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 4681 Language and Meaning 3 hrs
LIN 5147 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 Sciences
Department of English, CNH 301
english@ucf.edu
T. Krise, 407-823-2212

Credit Hour Requirements 21 hours

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 Sciences
Department of English, CNH 301
english@ucf.edu
T. Krise, 407-823-2212

Credit Hour Requirements 18 hours

Restricted Elective Courses (18 hrs)
Any 3000 or 4000 level ENC or CRW classes for which the student has met the pre-requisites, including
ENC 3211 Advanced Expository Writing 3 hrs
ENC 3311 Advanced Expository Writing 3 hrs
ENC 4215 Techniques of Technical Publication 3 hrs
ENC 4218 Visual Elements in Documentation 3 hrs
ENC 4293 Technical Documentation I 3 hrs
ENC 4294 Technical Documentation II 3 hrs
ENC 4295 Technical Documentation III 3 hrs
Students completing the minor may intern with a Central Florida corporation

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

ENGLISH - WRITING: Minor
College of Arts and Sciences
Department of English, CNH 301
english@ucf.edu
T. Krise, 407-823-2212

Credit Hour Requirements 18 hours

Restricted Elective Courses (18 hrs)
Any 3000 or 4000 level ENC or CRW classes for which the student has met the pre-requisites, including
ENC 3211 Advanced Expository Writing 3 hrs
ENC 3311 Advanced Expository Writing 3 hrs
ENC 4215 Techniques of Technical Publication 3 hrs
ENC 4218 Visual Elements in Documentation 3 hrs
ENC 4293 Technical Documentation I 3 hrs
ENC 4294 Technical Documentation II 3 hrs
ENC 4295 Technical Documentation III 3 hrs
Students completing the minor may intern with a Central Florida corporation

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
ENVIRONMENTAL STUDIES: Minor
College of Arts and Sciences
Liberal Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies
ls@mail.ucf.edu

Liberal Studies Advising Team, 407-823-0144
The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Credit Hour Requirements 21 hours
Note: It is the student's responsibility to ensure that any prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Course
IDS 3250 Foundations of Environmental Studies 3 hrs

Science & Environmental Electives (9 hrs)

<table>
<thead>
<tr>
<th>Natural Sciences</th>
<th>Environmental Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1030L Biology and Environment + lab</td>
<td>ENV 3001 Introduction to Environmental Engineering</td>
</tr>
<tr>
<td>BSC 2011C Biology II</td>
<td>ENV 4341 Solid Waste Management</td>
</tr>
<tr>
<td>BOT 3152C Local Flora</td>
<td></td>
</tr>
<tr>
<td>BOT 4156C Florida Wildflowers</td>
<td></td>
</tr>
<tr>
<td>BOT 3800 Ethnobotany</td>
<td></td>
</tr>
<tr>
<td>BOT 4303C Plant Kingdom</td>
<td></td>
</tr>
<tr>
<td>BOT 4868C Conservation and Management of Native Plants</td>
<td></td>
</tr>
<tr>
<td>BOT 5623C Plant Geography and Ecology</td>
<td></td>
</tr>
<tr>
<td>BOT 4713C Plant Taxonomy</td>
<td></td>
</tr>
<tr>
<td>BSC 4312C Marine Biology</td>
<td></td>
</tr>
<tr>
<td>PCB 3044L Principles of Ecology and Lab</td>
<td></td>
</tr>
<tr>
<td>PCB 3342 Florida Aquatic Ecology</td>
<td></td>
</tr>
<tr>
<td>PCB 4302C Physiochemical Limnology</td>
<td></td>
</tr>
<tr>
<td>PCB 4303C Biological Limnology</td>
<td></td>
</tr>
<tr>
<td>PCB 4683 Population Biology and Evolution</td>
<td></td>
</tr>
<tr>
<td>PCB 5045C Conservation Biology</td>
<td></td>
</tr>
<tr>
<td>PCB 5326C Ecosystems of Florida</td>
<td></td>
</tr>
<tr>
<td>PCB 5348C Marine Ecology of Florida</td>
<td></td>
</tr>
<tr>
<td>PCB 5485 Models in Ecology</td>
<td></td>
</tr>
<tr>
<td>PCB 5328C Landscape Ecology</td>
<td></td>
</tr>
<tr>
<td>CHM 3120C Analytical Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHS 4615 Environmental Chemistry</td>
<td></td>
</tr>
<tr>
<td>HSC 4500 Epidemiology</td>
<td></td>
</tr>
</tbody>
</table>

Environmental Engineering

Social & Humanities Electives (9 hrs)

<table>
<thead>
<tr>
<th>Environment &amp; Society</th>
<th>Geography</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECP 3303 Economics and the Environment</td>
<td>GEO 2370 Resources Geography</td>
</tr>
<tr>
<td>ECO 4302 Economics of the Environment</td>
<td>GEO 3151C GIS for Environmental Studies</td>
</tr>
<tr>
<td>ECO 4701 The Global Economy</td>
<td>GEO 4131C Remote Sensing of the Environment</td>
</tr>
<tr>
<td>INR 4351 International Environmental Law</td>
<td></td>
</tr>
<tr>
<td>LUP 5203 Environmental Politics</td>
<td></td>
</tr>
<tr>
<td>PUP 4503 Government and Science</td>
<td></td>
</tr>
<tr>
<td>PAD 4351 Issues in Environmental Program Management</td>
<td></td>
</tr>
<tr>
<td>PAD 5338 Introduction to Urban Planning</td>
<td></td>
</tr>
<tr>
<td>PAD 5338 Land Use and Planning Law</td>
<td></td>
</tr>
<tr>
<td>PLA 4631 Land Use and Environmental Law</td>
<td></td>
</tr>
</tbody>
</table>

Geography

<table>
<thead>
<tr>
<th>Philosophy</th>
<th>Sociology</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3033 Philosophy, Religion, and the Environment</td>
<td>SOP 3004 Social Psychology</td>
</tr>
<tr>
<td>PHI 4400 Philosophy of Science</td>
<td>SCE 4023 Teaching Science and Technology to Children</td>
</tr>
<tr>
<td>PHI 3840 Environmental Ethics</td>
<td>ANT 3212 Ethnology of North American Indians</td>
</tr>
<tr>
<td>PHI 4633 Ethics and Biological Science</td>
<td></td>
</tr>
<tr>
<td>PHM 4031 Environmental Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHM 5035 Environmental Philosophy</td>
<td></td>
</tr>
</tbody>
</table>

Writing, Journalism Courses

<table>
<thead>
<tr>
<th>Other Requirements</th>
<th>History</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 4181 Public Affairs Reporting</td>
<td>EUH 3235 Romanticism and Realism</td>
</tr>
<tr>
<td>PGR 3610C Photographic</td>
<td>EUH 3242 Modern Europe and the First World War</td>
</tr>
<tr>
<td>LIT 4433 Survey of Technical and Scientific Literature</td>
<td>EUH 3281 Second World War and Rebirth of Europe</td>
</tr>
</tbody>
</table>

Minors

Minors

EUROPEAN STUDIES: Minor
College of Arts and Sciences
Department of Political Science, CNH 415
http://www.cas.ucf.edu/politicalscience
Kerstin Hamann, 407-823-2608; politics@mail.ucf.edu

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the 20th century. Courses are to be selected in consultation with a departmental advisor or the director of European Studies.

Credit hour requirements: 21 hours
Students are responsible for meeting any prerequisites for the courses in the minor.

Required core courses: 6 hours
CPO 4101 Politics of the European Union
LIT 3062 Continental European Fiction

Restriction Electives: 12 hours

<table>
<thead>
<tr>
<th>Literature, Film, and Culture: (3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 4281 20th Century French Novels</td>
</tr>
<tr>
<td>FRW 4324 20th Century French Drama</td>
</tr>
<tr>
<td>FRW 4532 French Romanticism</td>
</tr>
<tr>
<td>FRW 4552 Nineteenth Century French Literature</td>
</tr>
<tr>
<td>MUL 3605 French Song Literature</td>
</tr>
<tr>
<td>FRE 4500 French Civilization and Culture</td>
</tr>
<tr>
<td>FIL 3521 French Film</td>
</tr>
<tr>
<td>GEW 3101 Survey of German Literature I</td>
</tr>
<tr>
<td>GEW 3370 German Short Story</td>
</tr>
<tr>
<td>GEW 3480 German Post-War Literature</td>
</tr>
<tr>
<td>GEW 4482 German Children's Literature</td>
</tr>
<tr>
<td>GEW 4531 The Age of Goethe and Schiller</td>
</tr>
<tr>
<td>JST 3751 Literature of the Holocaust</td>
</tr>
<tr>
<td>MUL 3604 German Song Literature</td>
</tr>
<tr>
<td>FIL 3522 German Film</td>
</tr>
<tr>
<td>GER 3100 Germany - Past to Present</td>
</tr>
<tr>
<td>GER 4520 Modern Germany</td>
</tr>
<tr>
<td>ITA 4500 Italian Civilization</td>
</tr>
<tr>
<td>FIL 3520 Italian Film</td>
</tr>
<tr>
<td>ITW 3101 Survey of Italian Literature II</td>
</tr>
<tr>
<td>SPW 3101 Survey of Spanish Literature II</td>
</tr>
<tr>
<td>SPW 3370 Spanish Short Story</td>
</tr>
<tr>
<td>SPW 4272 20th Century Spanish Novel</td>
</tr>
<tr>
<td>SPW 4322 Contemporary Iberian Theatre</td>
</tr>
<tr>
<td>SPW 4460 Nineteenth Century Spanish Literature</td>
</tr>
<tr>
<td>SPW 4450 Spanish Literary Theory</td>
</tr>
<tr>
<td>SPW 4720 The Generation of 1988</td>
</tr>
<tr>
<td>ERL 2022 English Literature II</td>
</tr>
<tr>
<td>ERL 4101 English Novel</td>
</tr>
<tr>
<td>ENL 4240 English Romantic Writers</td>
</tr>
<tr>
<td>ENL 4262 15th Century British Prose</td>
</tr>
<tr>
<td>ENL 4273 Modern British Literature</td>
</tr>
<tr>
<td>LIT 4184 Irish Literature</td>
</tr>
</tbody>
</table>

Minors

History (6 hrs)
EUH 3235 Romanticism and Realism
EUH 3242 Modern Europe and the First World War
EUH 3281 Second World War and Rebirth of Europe
EUH 3315 History of Modern Spain
EUH 3411 Ancient Rome
EUH 3431 History of Modern Italy
EUH 3451 History of Modern France
EUH 4284 Fascism and the Totalitarian Dictatorships
EUH 4400 The History of Ancient Greece
EUH 4465 Hitler's Third Reich
EUH 4610 Women in European Society
EUH 4620 European Great Powers: 1815-1914
EUH 4621 War & International Politics in Europe, 1916-present
JST 3701 History of the Holocaust
GER 4510 Life and Culture in Nazi Germany
EUH 4501 English History: 1485-1815
EUH 4502 English History: 1815-Present
Minors

Political Science or Economics (3 hrs)
CPO 3104 Politics of Western Europe
CPO 3614 Politics of Eastern Europe
CPO 4123 Government and Politics of Great Britain
CPO 4445 Comparative Political Parties
CPO 4074 Political Economy
ECS 4303 Economics of European Integration

Other: 3 Hours
may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives

REH 3510 Marx and Nietzsche
PHP 3783 Modernity as a Philosophical Problem
PHP 3786 Existentialism
PHP 4762 Phenomenology
ARN 4430 19th Century Art
ARN 4450 20th Century Art

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 towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours 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.

EXCEPTIONAL EDUCATION: Minor
College of Education
Department of Child, Family, and Community Sciences
ED 209: http://www.edcollege.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 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 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
EDF 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
EDP 4214 Classroom Learning Principles 2 hrs 3 hrs

Other Requirements
- Completion of all parts of the General Knowledge test and/or CLAST with appropriate passing scores (no alternatives or waivers), or completion of an AA degree from a Florida public post secondary institution, including completion of CLAST with appropriate scores or alternatives.
- A minimum GPA of 2.5 of all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105 or higher, is required.
- No Military credit may be used. Transfer credits from other universi-
- versities will be considered.

Note: Completion of the minor does not complete the requirements for certification in Exceptional Education nor does it constitute admission to the College of Education.

FINANCE: Minor
College of Arts and Sciences
School of Film and Digital Media
Film Division, COM 221
407-823-3456
http://www.film.ucf.edu
Division Head: S. Shlowl, 407-823-0694

Entrance Requirement
- Completion of a Minor Declaration and Minor Application

Credit Hour Requirements 18 hrs
Required Courses (12 hrs)
FIL 1007 Foundations of Story or 3 hrs
FIL 1001 Cinema Survey 3 hrs
FIL 2400 History of Motion Pictures 3 hrs
FIL 3006 Art of the Cinema 3 hrs
FIL 224C Foundations of Production 3 hrs

Restricted Electives (Choose Two) (6 hrs)
FIL 3309 Women in Film 3 hrs
FIL 3520 Italian Film 3 hrs
FIL 3521 French Film 3 hrs
FIL 3522 German Film 3 hrs
FIL 3412 Black Cinema 3 hrs

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit 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
Prerequisite courses:
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

Required courses (9 hrs)
FIN 2104 Personal Finance and Investments 3 hrs
FIN 3403 Business Finance 3 hrs
FIN 3303 Financial Markets 3 hrs

Electives (select three of the following) (9 hrs)
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 3470 Financial Statement Analysis 3 hrs
FIN 3504 Investment Analysis 3 hrs
FIN 4313 Management of Financial Institutions 3 hrs
FIN 4324 Commercial Bank Management 3 hrs
FIN 4424 Advanced Topics in Financial Management 3 hrs
FIN 4453 Financial Models 3 hrs
FIN 4514 Portfolio Analysis and Management 3 hrs
FIN 4533 Financial Derivatives 3 hrs
FIN 4604 International Financial Management 3 hrs

Other Requirements
- A 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 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 can count toward another major or minor degree program.

FITNESS TRAINING: 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
Email: higginbp@mail.ucf.edu

The Fitness Training minor is developed to provide the student interested in working in wellness centers as personal trainers the knowledge and experience to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups.

With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to receive certification from The American Council on Exercise.

Credit Hour Requirements: *19 hrs

Required Courses
- *PET 2622C Human Injuries 3 hrs
- PET 4312 Biomechanics 3 hrs
- PET 4550 Fitness Assessment and Exercise 3 hrs
- PET 4083C Practical Fitness Training (Only offered once a year) 4 hrs
- ZOO 3736C Exercise Physiology Anatomy 4 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 PET 2171 Aerobics course. Both of these courses are often completed at a community college.

Note: ZOO 3736C should be taken prior to PET 4312, 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 Sciences
Modern Languages and Literatures, CNH 523
http://www.cas.ucf.edu/furlang
Modernlanguage@ucf.edu
P. Giordano, 407-823-2472

Credit Hour Requirements: *18 hrs

Restricted Electives
- Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course. Approval of a departmental advisor is required prior to registration.

Other Requirements
- A grade of "C-" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

GERMAN: Minor
College of Arts and Sciences
Modern Languages and Literatures, CNH 523
http://www.cas.ucf.edu/furlang
Modernlanguage@ucf.edu
P. Giordano, 407-823-2472

Credit Hour Requirements: 18 hours

Restricted Electives
- Select six upper division courses in German, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course. Approval of a departmental advisor is required prior to registration.

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

HEALTH INFORMATION MANAGEMENT: Minor
College of Health and Public Affairs
Department of Health Professions, HPA2 210
Thomas J. Falen, 407-823-2369
Email: tfalen@mail.ucf.edu

Credit Hour Requirements: 20 hrs

Required Courses (20 hrs)
- HIM 3006 Foundations of Health Information Management 3 hrs
- HIM 4506 Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3531 Medical Terminology 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HIM 4256C Coding Procedures II 3 hrs

Other Requirements
- A minimum overall GPA of 2.5 is required. A minimum grade of "C" (2.0) is required in each course for the minor.
- 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 examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.

HEALTH SCIENCES: Minor
College of Health and Public Affairs
Department of Health Professions, HPA2 212
L. Timothy Worrell, 407-823-2214
E-mail: worrell@mail.ucf.edu

Credit Hour Requirements: 18 hrs

Required Courses (9 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HUN 2002 Modern Concepts of Nutrition 3 hrs
- HSC 3110C Medical Self Assessment 3 hrs

Restricted Upper Division Electives (9 hrs)
- Select six upper division courses in the Health Professions department.

Other Requirements
- Majors may not count courses presently required in a department program.
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all Health Professions courses.
- 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

HEALTH SERVICES ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Health Professions, HPA2  210
Thomas Falen, 407-823-2369
Email: tfalen@mail.ucf.edu
Credit Hour Requirements
Required Courses (15 hrs)
HSA 3111  U.S. Health Care Systems  3 hrs
HSA 3201  Community Health Services  3 hrs
HSA 4199  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 3840  Health Law or
HSC 4533  Health Care Ethics or
HSA 4109  Managed Care or
HSA 4502  Risk Management or HIM 4506 Quality Management
HSA 4702  Health Science Research Methods
(Additional prerequisite courses may be required)

Other Requirements

A minimum GPA of 2.0 in all courses used to satisfy the minor.
At least 15 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.

HISTORY: Minor
College of Arts and Sciences
Department of History, CNH 551
http://pegasus.cc.ucf.edu/~history/history.ucf.edu
Edmund F. Kallina, 407-823-2224
Credit Hour Requirements
Required Courses (15 hrs)
Select two courses:
Humanistic/Religious Traditions 6 hours
Select two courses:
Applications 6 hours

Other Requirements

A grade of "C-" (1.75) or better is required in all courses used to satisfy the minor.
At least 12 hours used in the minor must be earned at UCF within the department.
No credit by exam (TSD, Military credit) may be used without academic advisor's approval.
Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

HOSPITALITY MANAGEMENT: Minor
Rosen College of Hospitality Management
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
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 2500  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

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.

HUMANITIES: Minor
College of Arts and Sciences
Department of Philosophy, CNH 411
http://www.cas.ucf.edu/philosophy
philosophy@ucf.edu
Bruse 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

Humanities Foundations 6 hours
Select two courses:
HUM 3431  Ancient Humanities
HUM 3435  Medieval Humanities
HUM 3255  Modern Humanities
HUM 3251  Contemporary Humanities

Humanistic Religious Traditions 6 hours
Select two courses:
HUM 3401  Asian Humanities
HUM 3417  Hindu Thought and Culture
HUM 3419  Islamic Thought and Culture
HUM 3552  Christian Thought
HUM 3553  Moses, Jesus and Muhammad
ANT 3245  Native American Religions
JST 3401  The Jewish People I

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 3111  Religion, Spirituality, and Popular Music
REL 3111  Religion and Philosophy through Film
HUM 4554  Religious Quest and the Human Dilemma
HUM 4330  Performance Theory
PHI 3022  Sexuality, Gender & Philosophy
PHI 3638  Ethical Issues in the 21st Century
PHI 4321  Philosophies of Embodiment: Mind/Body/Self

Upper Division Restricted Elective 3 hours
Select one additional course from the following list:
HUM 3200  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.
Internship, Co-op, or Independent Study credit cannot be used toward the minor.

262 UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog
INTERNATIONAL BUSINESS:
Minor for Business Majors
College of Business Administration
Office of Student Support, BA 240
Richard Ajayi, 407-823-5908

Credit Hour Requirements
18 hrs
Required Courses
(9 hrs)
CEB 4361 Business in the International Env 3 hrs
ECO 3703 International Economics 3 hrs
FIN 4504 International Financial Management 3 hrs

Restricted Elective
(3 hrs)
MAR 4156 International Marketing
MAN 4600 International Management

Electives
(6 hrs)
ANT 3212 People of the World
ECS 4003 Comparative Economic Systems
ECS 4013 Economic Development
GEO 3470 World Political Geography
INR 4035 International Political Economy
INR 4401 International Law I
INR 4224 Contemporary International Politics of Asia
INR 4243 International Politics of Latin America

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.
- 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 Arts and Sciences
Nicholson School of Communication, COM 288
http://www.cas.ucf.edu/communication
communication@ucf.edu
Advising: See department.

Credit Hour Requirements
21 hrs
Required Courses
(6 hrs)
COM 3311 Communication Research Methods
SPC 3301 Interpersonal Communication

Restricted Electives
(15 hrs)
COM 3011C Communication and Human Relations
SPC 4331 Nonverbal Communication
SPC 4540 Attitudes and Communication
SPC 4426 Group Dynamics
COM 4461 Intercultural Communication
COM 4462 Conflict Management

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 can be used toward the minor with prior approval.

ITALIAN: Minor
College of Arts and Sciences
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
Restricted Electives
(9 hrs)
Select from the following:
COP 3223 Intro to Programming with C 3 hrs
COP 3520C Computer Science I 3 hrs
COP 3520C Computer Science I 3 hrs

College Electives
(3-6 hrs)
Options 1 and 2 3 hrs
Options 3 6 hrs
Any upper division courses offered within Computer Science at UCF or additional courses chosen from the restricted electives (exclusive of independent studies, 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.

JUDAIC STUDIES: Minor
College of Arts and Sciences
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. The certificate in Judaic Studies will be awarded to students completing 15

INFORMATION TECHNOLOGY: Minor
College of Engineering and Computer Science
School of Computer Science, CSB 201
E-mail: computerscience@ucf.edu
http://www.cs.ucf.edu
Mark Llewellyn, 407-823-2341

Credit Hour Requirements
18-19 hours
Required Courses
(3-7 hrs)
Select one of the following options:

Option 1 (Not open to Computer Science Minors or Liberal Studies Majors):
- CGS 1060C or CGS 2100C 3 hrs
- COP 2500C Concepts in Computer Science 4 hrs
- Option 2 (Not open to Computer Science Minors or Liberal Studies Majors):
- CGS 3223 Intro to Programming with C 3 hrs
- COP 3520C Computer Science I 3 hrs
- Option 3 (Computer Science Minors and Liberal Studies Majors Only):
- CGS 1060C or CGS 2100 3 hrs

Restricted Electives
(9 hrs)
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 Applications 3 hrs
- CGS 3269 Computer Architecture Concepts 3 hrs
- CGS 3285 Computer Networks Concepts 3 hrs
- CGS 3763 Operating Systems Concepts 3 hrs

College Electives
(3-6 hrs)
Options 1 and 2 3 hrs
Options 3 6 hrs
Any upper division courses offered within Computer Science at UCF or additional courses chosen from the restricted electives (exclusive of independent studies, internships, and those courses listed under Required Courses). See other requirements.

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.
Minors

LATIN AMERICA AREA STUDIES: Minor

College of Arts and Sciences

VAB 203

(407) 823-1173 or 1174

Dr. Luis Martínez-Fernández, Program Director
martfern@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 hours

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. Additional courses may substitute with prior approval from the Program Director.

Anthropology:

ANT 3164 Ancient Incas
ANT 3168 Maya Archaeology
ANT 3332 People and Cultures of Latin America
ANT 3340 Caribbean Cultures
ANT 4308 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

Foreign Languages and Literature:

SPN 2235 Intermediate Spanish Language & Civilization
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 3962 Bilinquismo
SPW 4730 Hispanic Literature of the United States
SPN 4780 Spanish Phonetics

History:

LAH 3130 Latin American History I
LAH 3200 Latin American History II
LAH 3400 History of Mexico and Central America
LAH 3470 History of the Caribbean
AMH 3586 History of the Hispanic minorities in the US

Latin American Studies:

LAS 4906 Independent Study in Latin American, Caribbean and Latino Studies
LAS 4023 African Caribbean Experience

Political Science:

CPO 4530 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: dslaught@mail.ucf.edu

Credit Hour Requirements 21hrs

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 Arts and Sciences
Nicholson School of Communication, COM 258
http://www.cas.ucf.edu/communication
journalism@ucf.edu

Dr. Maria C. Santana, 407-823-2681

Prerequisites
- Grammar proficiency requirement
- A minimum UCF GPA of 3.3

Credit Hour Requirements 18 hrs

Required courses (9 hrs)
- JOU 2203 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
- JOU 3200 Editing I
- JOU 3202 Editing II
- JOU 4300 Feature Writing
- JOU 4308 Freelance Writing
- JOU 4340C New Media Studies

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

College of Business Administration
Department of MIS, BA 309
407-823-3174

Credit Hour Requirements 18 hrs

Prerequisite courses
- CGS 2100C Computer Fundamentals for Business or CGS 2060C Intro to Computer Science (or equivalent)
- MAC 1105 College Algebra or MGF 1106 Finite Mathematics

Required Courses (minimum 15 hrs)
- ISM 3011 Management Information Systems 3 hrs
- ISM 3214 Database Management Systems in Business 3 hrs
- ISM 3501 Essentials of Electronic Commerce 3 hrs
- ISM 3013 Introduction to Information Systems Management 3 hrs
- ISM 3521 Business Applications

Electives (choose one) (minimum 3 hrs)
- ISM 3424 Computer-aided Decision Making 3 hrs
- ISM 3043 Technology and Society 3 hrs
- Any programming language course (minimum) 3 hrs
- Other ISM course (requires prior approval) (minimum) 3 hrs

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 nine 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.

MARKETING: Minor

(Open to Business and Non-Business Students)

College of Business Administration
Department of Marketing, BA2 307S

Credit Hour Requirements 18 hrs

Required Courses (3 hrs)
- MAR 3023 Marketing

Restricted Electives (12-15 hrs)
- Select four or five:
  - MAR 3323 Integrated Marketing Communication
  - MAR 3391 Professional Selling
  - MAR 3403 Sales Force Management
  - MAR 3503 Customer Behavior
  - MAR 3613 Marketing Analysis and Research
  - MAR 3641 Marketing Intelligence
  - MAR 3880 e-Marketing
  - MAR 4156 International Marketing
  - MAR 4724 Strategic Foundations in Global e-Business
  - MAR 4231 Retailing Management
  - MAR 4711 Sport Marketing
  - MAR 4712 Healthcare Marketing
  - MAR 4715 Entertainment Marketing
  - *MAR 4803 Marketing Management
  - *MAR 4804 Marketing Strategy
  - MAR 4841 Services Marketing

*Requires prerequisites in addition to MAR 3023

Restricted Non-Marketing Elective (0-3 hrs)

Three hours of coursework may be chosen outside of marketing from the list below. However, other courses outside Marketing will also be considered--approval by petition to the Department.
- ADV 3000, ANT 3640, COM 3011C, COM 3311, COM 3120, COM 3110, ENC 3211, EXP 3404, HSA 3111, PHI 3803, PPE 3003, PSY 3213C, RTV 3000, SOP 3004, SPC 3301, SPC 4331, SPC 4426, STA 4102, SYA 4300C, MAN 4720.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

MASS COMMUNICATION: Minor

College of Arts and Sciences
Nicholson School of Communication, COM 228
http://www.cas.ucf.edu/communication
communication@ucf.edu

M. A. Shaver, 407-823-2681

Credit Hour Requirements 18 hrs

Restricted Electives (18 hrs)

Select from the following:
- MMC 2004 Mass Media
- ADV 3000 Principles of Advertising
- COM 3330 Computer Mediated Communication
- FIL 2400 History of Motion Pictures
- FIL 3004 Art of the Cinema
- FIL 3410 History of Animated Films
- 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 Development and Structure of Electronic Media
- RTV 3200 Production Fundamentals and Aesthetics of Electronic 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 with prior approval.

Minor is not available to AMS Majors
- Internship or Independent Study credit cannot be used toward the minor.
Minors

MATHEMATICS: Minor
College of Arts and Sciences
Department of Mathematics, MAP 207
http://math.ucf.edu

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
- MAP 2311 Linear Algebra 3 hrs
- (MAC 2311 and 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.
- MAA XXXX (any 3000, 4000, or 5000 level course)
- MAD XXXX (any 3000, 4000, or 5000 level course)
- MAP XXXX (any 3000, 4000, or 5000 level course, except MAP 3401)
- MAS XXXX (any 3000, 4000, or 5000 level course)
- MTG XXXX (any 3000, 4000, or 5000 level course)

Credit Hour Requirements 21 hrs

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

MIDDLE EASTERN STUDIES: Minor
College of Arts and Sciences
Middle Eastern Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies

Required Courses (15 hrs)
- REL 2300 World Religions
- JST 3402 The Jewish People II
- JST 3401 The Jewish People I
- HUM 3553 Moses, Jesus and Muhammad
- HBR 2200 Intermediate Modern Hebrew I
- JST 4301 The Jewish People I
- JST 4302 The Jewish People II
- HUM 3552A Modern Hebrew Culture
- PHH 3200 Medieval Philosophy
- REL 2351 World Religions

Restricted Electives (12 hrs)

Credit Hour Requirements 21 hrs

Other Requirements
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

MILITARY SCIENCE: Minor
College of Engineering and Computer Science
Army ROTC, BLDG 501

- LTC Allison R. Reinwald, 407-823-2430

Required Courses
- MSL 3020C Leadership and Problem Solving 4 hrs
- MSL 3022C Leadership and Ethics 3 hrs
- MSL 4301C Leadership and Management 3 hrs
- MSL 4302C Officership 3 hrs

Credit Hour Requirements 19 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 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.

MOLECULAR BIOLOGY AND MICROBIOLOGY: Minor
Burnett College of Biomedical Sciences
Department of Molecular Biology and Microbiology, HPA2 335, 407-823-5932
http://www.biomed.ucf.edu

Assistant Chair: Roseann White
Program Coordinator: Dorilyn Hitchcock

Required Courses (23 hrs)
- BSC 2010C Biology I 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233 Immunology or PCB 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Credit Hour Requirements 30 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 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.

MUSIC: Minor
College of Arts and Sciences
Department of Music, CNH 205
http://www.cas.ucf.edu/music/

Assistant Chair: Roseann White
Program Coordinator: Dorilyn Hitchcock

- MUT 1111 Music Theory IA 2 hrs
- MUT 1112 Music Theory IB 2 hrs
- MUT 1214 Ear Training and Sight Singing IA 1 hr
- MUT 1242 Ear Training and Sight Singing IB 1 hr

Credit Hour Requirements 21 hrs

Other Requirements
- A successful audition on the student's voice or principal instrument.

Admission Requirement
A successful audition on the student’s voice or principal instrument.
MUL 2010 Enjoyment of Music 3 hrs
Major Ensemble- 4 semesters 4 hrs
(credit must spread over at least 4 separate semesters)
Performance level I - 2 semesters 4 hrs
Performance level II - 2 semesters 4 hrs
(on the same performance medium)
MUS 1010 Music Forum (4 semesters) 0 hrs

Other Requirements
- Two semesters of a major performing organization and two semesters of performance level II, must be completed at UCF.
- A minimum GPA of 2.0 is required in all music courses attempted, whether or not 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.

NORTH AMERICAN INDIAN STUDIES: Minor
College of Arts and Sciences
Department of Sociology and Anthropology, PH 403
David E. Jones, 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
- Required Courses (18 hrs)
  - ANT 4910 Research 3 hrs
- Restrictive Electives (15 hours)
Courses used in the minor must be taken in at least two departments. Select four courses from the following list.
- ANT 3245 Religions of the North American Indians 3 hrs
- ANT 3313 Indians of the North American High Plains 3 hrs
- ANT 3311 Indians of the Southeastern United States 3 hrs
- ANT 3158 Florida Archaeology 3 hrs
- ANT 4906 Independent Study 3 hrs
- ANT 3314 Indians of the Northeast Woodlands 3 hrs
- ANT 3318 Indians of the Northwest Coast 3 hrs
- AMH 3441 History of the Frontier: Eastern America 3 hrs
- AMH 4110 Colonial America 3 hrs
- AMH 4112 The Atlantic World 3 hrs
- AML 3640 Native American Literature 3 hrs
- ANT 4153 North American Archaeology 3 hrs
- SYD 3752 Modern Law in Indian Country 3 hrs
- SYD 3751 North American Indian Women Today 3 hrs
- SYD 3750 Contemporary Social Issues and North American Indians 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.

ORGANIZATIONAL COMMUNICATION: Minor
College of Arts and Sciences
Nicholson School of Communication, COM 258
communication@ucf.edu
TRA, 407823-2681; Advising: See department.

Credit Hour Requirements
- Required Courses (6 hrs)
  - COM 3120 Organizational Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- Restrictive Upper Division Electives (15 hrs)
  - COM 3011C Communication and Human Relations 3 hrs
  - COM 3110 Business and Professional Communication 3 hrs
  - SPC 3425C Group Interaction and Decision-Making 3 hrs
  - COM 4461 Intercultural Communication 3 hrs
  - COM 4462 Conflict Management 3 hrs

Independent study or Special Topics course if approved by the coordinator prior to enrolling in the class.

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 can be used toward the minor with prior approval.

PHILOSOPHY: Minor
College of Arts and Sciences
Department of Philosophy, CNH 411
http://www.cas.ucf.edu/philosophy
philosophy@ucf.edu
TBA, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Credit Hour Requirements
- Philosophical Foundations: 21 hours
  - Select one course from each of the following groups:
  - Reasoning
    - PHI 2011 Philosophical Reasoning
    - PHI 2101 Critical Thinking
    - PHI 2101 Formal Logic I
  - Ethics
    - PHI 3670 Ethical Theory
  - Knowledge
    - PHI 3200 Philosophy of Mind
    - PHI 4341 Ways of Knowing
    - PHI 4300 Theories of Knowledge
  - Disciplinary and Interdisciplinary Knowing (3 hrs)
    - Select one course
      - 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 (6 hours)
    - Select two courses
      - HUM 4330 Performance Theory
      - PHI 2567 Logic and Ethics
      - PHI 3022 Sexuality, Gender & Philosophy
      - PHI 3033 Philosophy, Religion, and the Environment
      - PHI 3601 Practical Wisdom
      - PHI 3638 Ethical Issues in the 21st Century
      - PHI 3640 Environmental Ethics
      - PHI 3941 Philosophy Praxicum
      - PHI 4931 Philosophy in the News
      - PHI 4633 Ethics and Biological Science
      - PHI 4804 Critical Theory
      - PHM 3100 Freedom and Justice
      - PHI 3123 Feminist Theory
      - PHM 4031 Environmental Philosophy
      - REL 3111 Religion and Philosophy through Film
  - Upper Division Restricted Elective (3 hrs)
    - Select an additional course from those listed above or another upper division Philosophy course.

Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
Minors

PHILOSOPHY, RELIGION AND POPULAR CULTURE: Minor

College of Arts and Sciences
Department of Philosophy, CNH 411
http://www.cas.ucf.edu/philosophy
philosophy@ucf.edu

Advisor (UCF Orlando Campus) Bruce Jans, 407-823-2273
Fax: 407-823-6658;
Advisor (Cocoa Campus) Shelley Park;
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 4541 Ways of Knowing

Philosophy (3 hrs)
PHI 2101 Critical Thinking
PHI 3670 Ethical Theory
PHI 3700 Philosophy of Religion
PHI 3800 Aesthetics
PHM 3100 Freedom and Justice
PHI 3720 Faith and Reason
PHP 3786 Existentialism
PHI 4804 Critical Theory
PHI 4300 Theories of Knowledge

Religion (3 hrs)
CLA 3951 Comparative Mythology
HUM 3553 Moses, Jesus, and Mohammed
HUM 3417 Hindu Thought and Culture
HUM 3419 Islamic Thought and Culture
HUM 4303 The Spiritual Ideal
HUM 4554 Religious Quest and Human Dilemma
PHI 3760 The Problem of Evil

Popular Culture Studies (9 hrs)

A. Contemporary Media
Select at least one course:
HUM 3320 Contemporary Multicultural Studies
HUM 4516 Religion and the Arts
HUM 4330 Performance Theory
PHI 3625 Virtual Ethics
PHI 4931 Philosophy In the News
POS 3235 Mass Media and Politics
POS 3258 Politics in Film
REL 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 3251 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 3655 Philosophy of Friendship
PHM 3123 Feminist Theories
PHI 4321 Philosophies of Embodiment: Mind/Body/Self
REL 3131 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 toward the minor.

PHYSICS: Minor

College of Arts and 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 (11 hrs)
PHY 2048 Physics for Eng and Sci I 3 hrs
PHY 2048L Physics Laboratory for Eng and Sci I 1 hr
PHY 2049 Physics for Eng and Sci II 3 hrs
PHY 2049L Physics Laboratory for Eng and Sci II 1 hr
PHY 3101 Physics for Eng and Sci III 3 hrs

Restricted Upper Division Electives (9 hrs)

Selected from upper-level 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.
- 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.

POLITICAL SCIENCE: Minor

College of Arts and Sciences
Department of Political Science, CNH 415
http://pegasus.cc.ucf.edu/~politics
politics@ucf.edu

Roger Handberg, 407-823-2608

Credit Hour Requirements 18 hrs

Required Course (3 hrs)
POS 2041 American National Government 3 hrs

 Restricted Upper Division Electives (15 hrs)

Five upper division Political Science courses (selected with the aid of a departmental advisor)
- Only three hours of POS 4941 (Internship) may be counted.

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.

POLITICAL SCIENCE/PRELAW: Minor

College of Arts and Sciences
Department of Political Science, CNH 415
http://pegasus.cc.ucf.edu/~politics
politics@ucf.edu

Roger Handberg, 407-823-2608

Credit Hour Requirements 18 hrs

Required Courses (6 hrs)
POS 2041 American National Government 3 hrs
POS 4284 Judicial Process and Politics 3 hrs

Restricted Elective (3 hrs)
INR 4401 International Law I
INR 4402 International Law II
POS 4601 American Constitutional Law
POS 4604 American Constitutional Law II

Restricted Upper Division Electives (9 hrs)

Three Upper Division Political Science Courses (selected with the aid of a departmental advisor) may be counted.
- Only three hours of POS 4941 (Internship) may be counted.

Other Requirements
PSYCHOLOGY: Minor
College of Arts and Sciences
Psychology Department, PH 302
http://www.psych.ucf.edu/
E-mail: psychology@ucf.edu
R. Dipboye, 407-823-2216
Undergraduate Advising: Psychology Advising Center, PH 305G, 407-823-2219

The Psychology Department offers minors in several emphasis areas: Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. The guiding principle in design of a minor is to select those Psychology courses which will strengthen the graduate school preparation and/or the marketability of the student’s major program. 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
STA 2023 Statistical Methods I 3 hrs
PSY 3133C Research Methods in Psychology 4 hrs

Restricted Electives 12 hours 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 without prior departmental permission.

PUBLIC ADMINISTRATION: Minor
College of Health and Public Affairs
Department of Public Administration, HPA2 238
Dr. Ronnie L. Korosec, 407-823-2732
E-mail: rkorosec@mail.ucf.edu

Credit Hour Requirements 21 hrs
Required Courses (18 hrs)
PAD 3003 Public Admin in American Society 3 hrs
PAD 4034 The Administration of Public Policy 3 hrs
PAD 4104 Administrative Theory 3 hrs
PAD 4204 Fiscal Management 3 hrs
PAD 4414 Public Personnel Administration 3 hrs
PAD 4720 Survey Research in Public Admin 3 hrs

Electives (3 hrs)
REL 2390 World Religions

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval.

REAL ESTATE: Minor
(Open to Business and Non-Business Students)
College of Business Administration
Department of Finance, BA 409
http://www.bus.ucf.edu/finance

Credit Hour Requirements 18 hrs
Prerequisite Courses
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

Required Courses (12 hrs)
FIN 2104 Personal Finance and Investments 3 hrs
FIN 3403 Business Finance 3 hrs
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs

Electives (6 hrs)
REE 4103 Real Estate Appraisal and Valuation 3 hrs
REE 4204 Residential Real Estate Finance 3 hrs
REE 4303 Real Estate Investment Analysis 3 hrs
REE 4732 Real Estate Development 3 hrs
REE 4xxx Commercial Real Estate Finance 3 hrs

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.
- At a maximum of 6 hours of required or elective coursework can count toward another major or minor degree program.

RELIGIOUS STUDIES: Minor
College of Arts and Sciences
Philosophy Department, CNH 411
http://www.cas.ucf.edu/philosophy
philosophy@ucf.edu
TBA, 407-823-2273

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology & Sociology, Art, English, History, Judaic Studies, Philosophy, Political Science, and Psychology, and are to be selected in consultation with the Religious Studies advisor.

Credit Hour Requirements 21 hrs
Required Courses (18 hrs)
REL 2390 World Religions 3 hrs

Restricted Electives See department for approved list of courses

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.
Minors

SOCIAL SCIENCES - INTERDISCIPLINARY: Minor
College of Arts and Sciences
Liberal Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies

<table>
<thead>
<tr>
<th>Required Courses (9 hrs)</th>
<th>Credit Hour Requirements 21-22 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>One method course, selected from the three immediately below</td>
<td>(5-4 hrs)</td>
</tr>
<tr>
<td>EOS 3073</td>
<td>Scope and Methods of Political Science</td>
</tr>
<tr>
<td>PSY 3213C</td>
<td>Research Methods in Psychology</td>
</tr>
<tr>
<td>SYA 4300</td>
<td>Research Methods</td>
</tr>
</tbody>
</table>

Restricted Electives (18 hrs)
Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.

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 courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

SOCIOLGY: Minor
College of Arts and Sciences
Department of Sociology & Anthropology, PH 403
http://www.cas.ucf.edu/soc_anthro/firstpage.html

<table>
<thead>
<tr>
<th>Credit Hour Requirements 18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses (3 hrs)</td>
</tr>
<tr>
<td>SYG 2000</td>
</tr>
</tbody>
</table>

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-” (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.
- 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.

SPACET 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.

<table>
<thead>
<tr>
<th>Credit Hour Requirements 21 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses (9 hrs)</td>
</tr>
<tr>
<td>AST 2002</td>
</tr>
<tr>
<td>EGN 3015C</td>
</tr>
<tr>
<td>GEO 4131C</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)
EAS 3010 | Fundamentals of Aerospace Flight |
EAS 3101 | Fundamentals of Aerodynamics |

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.
- 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 Sciences
Modern Languages and Literatures, CNH 523
http://www.cas.ucf.edu/forlang/modernlanguage@ucf.edu

<table>
<thead>
<tr>
<th>Credit Hour Requirements 18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses (8 hrs)</td>
</tr>
<tr>
<td>MSB 3XX1</td>
</tr>
<tr>
<td>MSB 3XX2</td>
</tr>
<tr>
<td>MSB 3XX3</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)
MSB 4XX1 | Event and Facility Management |
MSB 4XX2 | Intercollegiate Sport Industry |
MSB 4XX3 | Professional Sport Industry |
MSB 4XX4 | Sport Business Law |
MSB 4XX5 | Sport Business and Media |
MSB 4XX6 | Sport Policy |
MAR 4711 | Sports Marketing |

Other Requirements
- Students minoring in Sport Business Management must earn a
grade of "C" (2.0) or better in each course applied toward the minor, and a minimum GPA of 2.5 is required in all courses used 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.

**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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or STA 3032 Probability and Statistics for Engineers</td>
<td></td>
</tr>
<tr>
<td>STA 4163 Statistical Methods II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4164 Statistical Methods III</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Upper Division Electives**

STA 3xxx-4xxx courses (STA 2023 or STA 3032 or the equivalent cannot be used as a restricted elective)

**Other Requirements**

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**TECHNICAL EDUCATION and INDUSTRY TRAINING: Minor**

**College of Education**

Department of Teaching and Learning Principles, ED 209

http://reach.ucf.edu/~voiced

Dr. Larry Hudson, ED 122-T, 407-823-2848

Email: lhudson@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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVT 3062 Professional role of the Vocational Teacher</td>
<td>3 hr</td>
</tr>
<tr>
<td>EVT 3367 Evaluation in Vocational Education</td>
<td>3 hr</td>
</tr>
<tr>
<td>EVT 4169 Curriculum Development in Industry Training</td>
<td>3 hr</td>
</tr>
<tr>
<td>EVT 4065 Principles and Practices in Vocational Education</td>
<td>3 hr</td>
</tr>
</tbody>
</table>

**Other requirements**

- A minimum of 4 courses of the 6 required must be completed at UCF within the Program of courses listed above.
- A grade of "C" (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used toward 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 consti-

---

**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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 3010 Introduction to Information Technology</td>
<td></td>
</tr>
<tr>
<td>EST 3222 Introduction to Photonics</td>
<td></td>
</tr>
<tr>
<td>ETI 3671 Technical Economic Analysis</td>
<td></td>
</tr>
<tr>
<td>ETI 4205 Applied Logistics</td>
<td></td>
</tr>
<tr>
<td>ETI 4635 Technical Administration</td>
<td></td>
</tr>
<tr>
<td>ETI 4700 Occupational Safety</td>
<td></td>
</tr>
<tr>
<td>ETI 4836 Space Systems Technology</td>
<td></td>
</tr>
<tr>
<td>GEO 2370 Resources Geography</td>
<td></td>
</tr>
<tr>
<td>LIT 3313 Science Fiction</td>
<td></td>
</tr>
<tr>
<td>LIT 4433 Survey of Technical and Scientific Literature</td>
<td></td>
</tr>
<tr>
<td>PUP 3203 Environmental Politics</td>
<td></td>
</tr>
<tr>
<td>PUP 4503 Government and Science</td>
<td></td>
</tr>
<tr>
<td>PUP 4510 Space Policy</td>
<td></td>
</tr>
</tbody>
</table>

**Other Requirements**

- A minimum grade of "C" (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 Sciences**

Theatre Department, UTC 180

http://www.theatre.ucf.edu

theatre@ucf.edu

Kristina Tollefson, 407-823-2862

**Credit Hour Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2000 Theatre Survey</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2090* Theatre Production/Performance I</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 3330 Play Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2091* Theatre Production/Performance II</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 3110 Theatre History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3111 Theatre History II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3305 Dramatic Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2271 Performance Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3306 Dramatic Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2201 Technical Theatre Production</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* Course must be taken at UCF

**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.
- 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
Dr. Ronnie Korosec, 407-823-2604
Email: rko@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)
PAD 3330 Urban and Regional Planning 3 hrs
PAD 4712 Information Systems for Public Managers and Planners 3 hrs
PAD 4331 Land Use and Planning 3 hrs
PAD 4334 Urban Design 3 hrs
PAD 4253 Community and Economic Development 3 hrs
PAD 4351 Issues in Environmental Program Management 3 hrs
PAD 4803 Issues in Urban Administration 3 hrs

Suggested Courses

Students in the Minor program are encouraged to take the following courses as electives to enhance their understanding of the field.

ECP3433 Transportation Economics
ECP 4603 Urban and Regional Economics
TTE 4004 Transportation Engineering

Other Requirements
- A minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used to satisfy the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

WOMEN’S STUDIES: Minor
College of Arts and Sciences
http://www.cas.ucf.edu/womensstudies

L. M. Logan, 407-823-6502, Email: womensst@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.

Credit Hour Requirements 18 hours
Required Core Courses (6 hrs)
WST 3015 Introduction to Women’s Studies 3 hrs
Select one course:
WST 3123 Feminist Theories 3 hrs

Upper Division Electives (12 hrs)*
Select two courses in each of two areas listed 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

Women’s Wellness
NUR 4938 Women’s Health Issues
PEM 2405 Self Defense for Women and Men
SOP 2772 Sexual Behavior
SOP 3742 Psychology of Women

Women and Social Policy
ANT 3302 Sex, Gender and Culture
ANT 4308 Women and Gender Issues in Lat Am
CCJ 4670 Women and Crime
CCJ 4681 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
SYO 4100 Family Trends
WST 3500 Genders Issues in Community Activism

* Students may be allowed to take one course from a list of restricted courses.

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 approval of the program coordinator.
- No more than one 2000 level course can be used toward the minor.
**CERTIFICATES**

**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 available only to students in the undergraduate social work program (BSW). Admission courses may be taken as electives by non-majors and be applied to the state certification. The Addictions Certificate is designed to prepare students for 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 available only 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 admission 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 4706 Interventions with Substance Abusers 3 hrs
- SOW 3352 Practice II: Interpersonal Skills 3 hrs
- SOW 4341 Micro-Level Roles and Interventions 3 hrs

**Restricted Electives:**
Select from one of the following:
- SOW 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 a faculty teaching one of the above courses)
- CCJ 4651 Drugs and Crime 3 hrs

**AGING STUDIES: Certificate**
College of Health and Public Affairs  
School of Social Work, HPA 1 204  
BSW Coordinator, HPA1 204, 407-823-2114

In recognition of the special needs of the elderly citizens of Central Florida, the University offers a fifteen-hour interdisciplinary program leading to a Certificate in Aging Studies. This certificate is open to all students in any major. The program may be of particular interest to students who are majoring in health sciences, psychology, social work, nursing, sociology, business, exercise science, physical education, or art education. All students must contact the coordinator for planning their internship.

Certificates will be awarded only at the time of degree completion.

**Credit Hour Requirements:** 15 hrs

**Required Course**
- SOW 4706 Interventions with Substance Abusers 3 hrs

**GEY 3001** Gerontology: Interdisciplinary Overview 3 hrs

**Required Internship:** 120 hours

**Select one**
- SOW 4510 Field Education 3 hrs
- HSA 4941 Internship 3 hrs
- PSY 3061 Internship 3 hrs
- SYP 4941 Internship 3 hrs

**Electives:** (9 hrs)
- Students select three additional courses from the following: A maximum of two courses in their major and at least one course must be outside their college.

**College of Health and Public Affairs**
- HSA 4220 Long Term Care 3 hrs
- HSA 3222 Long Term Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs

**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: jschwarz@mail.ucf.edu

This certificate is designed to provide students with the conversational competency in ASL to communicate with deaf and hard of hearing individuals who use ASL as their primary mode of communication. In addition, students completing the certificate program would have the prerequisite skills to seek further instruction in Interpreter Education. More specifically, the certificate program is designed for 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:** 14 hrs

**Required Courses**
- SPA 4602 Introduction to American Sign Language 3 hrs
- SPA 4603 Intermediate American Sign Language 3 hrs
- SPA 4614C American Sign Language III 4 hrs
- SPA 4615 American Sign Language IV 4 hrs

**Other Requirements:**
- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses used to complete the certificate.
- At least 8 hours used in the program must be earned at UCF with the Department of Communicative Disorders.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study must be used toward the minor.

**BEHAVIORAL FORENSICS: Certificate**
College of Arts and Sciences  
Psychology Department, PH 302  
http://pegasus.cc.ucf.edu/~psych  
kmoattare@ucf.edu

K. Mottarella; 321-433-7892

**Credit Hour Requirements:** 27 hrs

**Prerequisite Courses**
- PSY 2012 General Psychology or GEP  
- SYG 2000 General Sociology  
- PPE 3003 Personality Theories 3 hrs
- SYP 3510 Soc of Deviant Behavior 3 hrs

**Required Courses**
- CLP 4390 Forensic Psychology 3 hrs
- SOP 3751 Legal Aspects of Psych 3 hrs
- SYP 3520 Criminology 3 hrs
- SYP 3540 Sociology of Law 3 hrs

**Restricted Electives:** (9 hrs)

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
- PLA 4932 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs

**College of Arts & Sciences**

<table>
<thead>
<tr>
<th>Degree</th>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 3464</td>
<td>Psychology of Aging</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 4730</td>
<td>Sociology of Aging</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>GEY 3930</td>
<td>Women and Aging</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>DEP 3930</td>
<td>Sociology of Aging</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>LIT 3930</td>
<td>Literature of Aging</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYP 4734</td>
<td>Minority Aging</td>
<td>3 hrs</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 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.
Certificates

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.

CHILDREN’S SERVICES: Certificate
College of Health and Public Affairs
School of Social Work, HPA1 204
BSW Coordinator, 407-823-2114

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.

Credit Hour Requirements 18 hrs

Required Courses
- SOW 3352  Practice II: Interpersonal Skills 3 hrs
- SOW 4654  Children’s Services 3 hrs
- SOW 4650  Child Abuse: Treatment & Prevention 3 hrs
- SOW 4510  Field Education* 9 hrs

* Placement with the Department of Children and Families-working with child welfare or placement in an agency that serves children.

NOTE: Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement.

CRIME ANALYSIS AND CRIME MAPPING: Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, HPA1 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.

Credit Hour Requirements 15 hrs

Required Courses (in sequence) (9 hrs)
- CJE 3662  Data Management Systems for Crime Analysis
- CJE 4663  Crime Analysis I
- CCJ 4076  Crime Analysis II

Restricted Upper Division Electives (6 hrs)
Select two of the following:
- CCJ 3451  Justice System Technology
- CJE 3444  Crime Prevention
- CJE 4654  Crime and Place
- CCJ 3450  Criminal Justice Manager
- CCJ 4454  Policy Development in Law Enforcement
- CCJ 4459  Justice Agency Operations

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
College of Arts and Sciences
Department of Criminal Justice and Legal Studies, HPA1 311; Department of Sociology and Anthropology, PH 403
David Fabianic, 407-823-5940
Fabianic@mail.ucf.edu
John J. Schultz, 407-823-2618
jschultz@mail.ucf.edu

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case, once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 15 hours

Required Courses (12 hrs)
- SYP 4514  Sociology of Murder
- CCJ 4616  Criminal Profiling in CJ
- SYP 3511  Sociology of Murder
- CCJ 4659  Justice Agency Operations
- CCJ 3451  Justice System Technology
- ANT 3115  Archaeological Method and Theory

Restricted Upper Division Electives (3 hrs)
Select one of the following:
- ANT 4520C  Advanced Forensic Anthropology
- SYP 3511  Sociology of Murder
- CJE 4630  Serial Murder and the Criminal Justice System
- CJE 4616  Criminal Profiling in CJ
- CHS 3501  Introduction to Forensic Science
- ANT 3115  Archaeological Method and Theory

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
David Fabianic, 407-823-5940
Fabianic@mail.ucf.edu

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work.

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 15 hrs
Required Courses (12 hrs)
- CLP 3143 Abnormal Psychology 3 hrs
- CJE 4630 Serial Murder and the Criminal Justice System 3 hrs
- CJC 4690 J and the Criminal Justice System 3 hrs
- CJC 4618 Criminal Profiling in Criminal Justice 3 hrs

Restricted Upper Division Electives (3 hrs)
- Select one of the following:
  - CJT 4100 Criminal Investigation 3 hrs
  - CJC 4661 Terrorism 3 hrs
  - CJC 4195 Interviews and Interrogations in CJ 3 hrs

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- All courses used in the certificate must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit can not be used toward the certificate.

CULTURAL TOURISM: Certificate

College of Arts and Sciences
Office of Liberal and Interdisciplinary Studies
http://www.cas.ucf.edu/liberal_studies
ls@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 3 hrs
- HFT 3701 Tourism Management 3 hrs
- HFT 4735 Tourism Geography 3 hrs
- ANT 3438 Anthropology of Tourism 3 hrs

Choose two courses from one of the following areas (6 hrs)
- African American Heritage area (choose two courses)
  - APA 3104 The African American Experience
  - APA 4105 Documenting African American Heritage and Life
- Ethnic Minorities in the United States (may be repeated for credit)
  - SYD 3700 Race and Ethnic Minorities in the United States

Other Requirements
- A grade of “C” or above (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 or Independent Study credit can not be used toward the certificate.

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 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs
- ACG 3131 Financial Accounting Concepts & Analysis 3 hrs
- ACG 3141 Intermediate Financial Accounting 3 hrs
- MAR 3391 Professional Selling OR 3 hrs
- **FIN 4942 Internship 3 hrs

An internship must be a paid internship with a financial services firm, and must be approved by the Department of Financial Internship coordinator and a banking faculty member. Both MAR 3391 and FIN 4942 are recommended if the student's schedule allows it.

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the five courses must be 3.0 or higher.

Certificate in Corporate Finance 12 hrs
- FIN 4414 Intermediate Corporate Finance 3 hrs
- FIN 3470 Financial Statement Analysis OR 3 hrs
- FIN 4424 Adv Topics in Financial Management 3 hrs
- **FIN 4941 Internship 3 hrs

Certificate in Investments 12 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- **FIN 4941 Internship 3 hrs

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in 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.

DIGITAL MEDIA: Certificate

College of Arts and Sciences
CREAT Digital Media Program, VAB 205
http://www.creat.cas.ucf.edu/digitalmedia@creat.cas.ucf.edu
Program Director: J. Michael Mosshall, 407-823-6100

The certificate program focuses on providing an opportunity for students with substantial media-related skills to learn project management skills and participate in a Senior Project. Admission to the Certificate Program is by portfolio only.

Entrance Requirement
- Admission to the Digital Arts Seminar requires evaluation of a portfolio of work which demonstrates the student's creativity and technical accomplishment in some artistic or technical domain.
- All evaluations are conducted by the program Curriculum Committee.

Credit Hour Requirements:
- Required Course: (3 hrs)
  - DIG 3525 Digital Media Production I
- Restricted Elective: (3 hrs)
  - Any course listed under the Advanced Specializations of the Digital Media major (substitutions must be approved by the program Director prior to being taken)

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 be used in the certificate only with prior written permission.

Certificate Program is by portfolio only.

Department of Finance, Liberal and Interdisciplinary Studies
ls@mail.ucf.edu
http://www.cas.ucf.edu/liberal_studies
Office of Liberal and Interdisciplinary Studies

Certificate Admissions
- A student must have an overall GPA of at least 2.75 to qualify for an internship.

Certificate in Investments 12 hrs
- FIN 4414 Intermediate Corporate Finance 3 hrs
- FIN 3470 Financial Statement Analysis OR 3 hrs
- FIN 4424 Adv Topics in Financial Management 3 hrs
- **FIN 4941 Internship 3 hrs

Certificate in Investments 12 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- **FIN 4941 Internship 3 hrs

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in 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.
Certificates

JAZZ STUDIES: Certificate
College of Arts and Sciences
Department of Music, CNH 205
http://www.cas.ucf.edu/music/
music@ucf.edu
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 13 hrs
Required Courses (13 hrs)
MUT 3170 Jazz Theory I 2 hrs
MUT 3171 Jazz Theory II 2 hrs
MUT 3641 Jazz Improvisation I 2 hrs
MUT 3642 Jazz Improvisation II 2 hrs
MUL 2016 Evolution of Jazz 3 hrs
MUS 4932 Independent Study in Jazz 2 hrs

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 Sciences
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. The certificate in Judaic Studies will be awarded to students completing 15 credits in Judaic Studies.

Credit Hour Requirements 18-26 hrs
Required Courses (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 3144 Dead Sea Scrolls
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

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

Language
HBR 2200 Intermediate Modern Hebrew Language and Culture I
HBR 2201 Intermediate Modern Hebrew Language and Culture II
HBR 3410 Conversational Israeli Hebrew

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 Communication Disorders,
HPA2, Suite 101
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 13 hrs
Required Courses
LIN 3716 Language Development: Birth through 8 years 3 hrs
LIN 3717 Language Development: 9 through 18 years 3 hrs
LIN 4711 Language Analysis 3 hrs
LIN 4711L Language Analysis Lab 1 hr
SPA 4400 Language Disorders Across the Life Span 3 hrs

Other Requirements
- A minimum grade of “C-” (1.75) is required in each course.
- Students must earn an overall 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 Communication Disorders.
- No credit by exam (TSD, Military credit) internship or independent study credit may be used toward the certificate.

MARKETING: Certificates
College of Business Administration
Department of Marketing, BA2 307S
*Restricted to Marketing majors

Certificates will be awarded only at the time of degree completion.

Credit Hour Requirements 9 hrs
Required Courses
**MAR 3403 Sales Management
**MAR 4941 (Internship in sales-related position)
One additional Marketing elective

Certificate in Selling and Sales Management
**MAR 4941 (Internship in retail-related position)
One additional Marketing elective

Certificate in Retailing Management
**MAR 4941 (Internship in “e”-related position)
One additional Marketing elective

Certificate in e-Marketing
**MAR 4941 (Internship in “e”-related position)
One additional Marketing elective

Certificate in Sport Marketing Management
**MAR 4941 (Internship in sport-related position)
One additional Marketing elective

Certificate in Healthcare Marketing
**MAR 4941 (Internship in healthcare-related position)
One additional Marketing elective

Certificate in Services Marketing
**MAR 4941 (Internship in services-related position)
One additional Marketing elective

Certificates will be awarded only at the time of degree completion.

*Restricted to Marketing majors

276 UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog
Internship or Independent Study credit cannot be used toward "No credit by exam (TSD, Military credit) may be used. At least 12 hours used in the certificate must be earned at UCF. A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.

NONPROFIT MANAGEMENT: Certificate
College of Health & Public Affairs
Department of Public Administration, HPA2 238
http://www.cohpa.ucf.edu/pubadm/
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 15 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.

Other Requirements
- A minimum grade of "C" (2.0) is required in each course.
- Students must earn a 2.0 ("C") for credit to be accepted.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration.

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 demand 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
CJT 4843 Risk Management 3 hrs
CCJ 4644 White Collar Crime 3 hrs

Restricted Upper Division Electives (3 hrs)
Select one of the following:
CCJ 4661 Conflict and Terrorism 3 hrs
CJE 3444 Crime Prevention 3 hrs
CJT 3842 Special Security Problems 3 hrs
PLA957 Seminar in Contemporary Legal Problems 3 hrs
PLA3273 Law of Torts 3 hrs

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program 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.

TRANSLATION AND INTERPRETATION: Certificate
College of Arts and Sciences
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 Spanish Translation and Interpretation 3 hrs
SPT 3805 Spanish Trans & Interp for Mass Com 3 hrs
SPT 3809 Medical Spanish Trans/Interp 3 hrs
SPT 3831 Spanish Legal Trans/Interp 3 hrs

Restricted Upper Division Electives (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
http://www.cas.ucf.edu/womensstudies
College of Arts and Sciences
Women’s Studies Program, CNH 201H
L. M. Logan, 407-823-6502
email: womenst@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.

Credit Hour Requirements 12 hrs
Required Course: (3 hrs)
WST 3015 Introduction to Women’s Studies 3 hrs

Restricted Electives (6-9 hrs)
See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option: (0-3 hrs)
Internships required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.

Other Requirements
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- No more than one 2000 level course can be used toward the certificate.
The Department of Foreign Language and Literatures offers six Study Abroad Programs during the summer session. These programs are approved by the State of Florida Board of Regents and are offered annually. Credit courses are available in languages at various levels. The programs are open to all students of the State University System of Florida and to others as well.

**Koblenz, Germany**

Koblenz is a charming city located in one of the picturesque regions of Europe, at the junction of the Rhine and Moselle rivers. Since France, Belgium and Luxemburg are very close, the city has always had an international flair. The program is housed at the University of Koblenz and offers courses in German language and civilization at the intermediate and advanced levels; all participants earn 8 credits. A number of spectacular excursions are included. This program takes place during Summer B term.

**Amman, Jordan**

Modern Amman preserves its ancient past. The Assyrians, the Babylonians, the Greeks, the Arabs, the Jews and the Byzantines have all left evidence of their art, religions and culture. Students earn six credits in intermediate or advanced written and spoken Arabic as well as the history, art, politics and customs of Jordan and the Moslem world.

**Urbino, Italy**

The city of Urbino, on the slopes of the Eastern Appennines, is one of the major centers for the study of Renaissance art and architecture. The modern university sponsors a number of conventions of learned societies and cultural events in the summer. Courses in Renaissance art and modern Italian letters are given in English; language courses are conducted in Italian. A number of weekend excursions throughout central Italy are included. This popular program takes place during Summer B term.

**Madrid, Spain**

World-class museums and a lively cultural agenda make Madrid an ideal location. This program is 6 weeks and designed for students who wish to continue thier study of the Spanish language and civilization. Language courses will be offered from the intermediate level through the advanced. Classes meet Monday through Friday with several weekend trips to major destinations of cultural and artistic interest in the region. All students take one language, one conversation and one cultural course for 9 credit hours. This program takes place during Summer B.

**Dominica, Guadeloupe and Martinique**

The volcanic islands of Dominica, Guadeloupe and Martinique are surrounded by beautiful beaches in the Carribean. This program is designed for students interested in the French language and culture, the Caribbean, the Creole cultures as well as the African Diaspora as areas of study. All students take a combination of one culture course and a language course or one study abroad seminar for a total of 6/7 credit hours. Weekend excursions to neighboring islands are part of this Study Abroad experience. This program takes place during Summer B term.

**Amboise, La Rochelle, France**

Amboise is a quiet community of 12,000 residents, known for the time that Italian artist Leonardo da Vinci spent in Le Clos Luce, a pink brick manor in Amboise's center. LaRochelle, on the Atlantic coast, prides itself on 800 years of seafaring history. Courses are offered at the intermediate and advanced levels and students earn 6/9 credit hours. Weekend excursions are planned to various points of interest. This program takes place during Summer A term.

**Urayasu, Japan**

Urayasu, Chiba Prefecture, is located to the east of Tokyo. This former fishing village on the Bay of Tokyo is now a fast-growing suburb of Tokyo with a population of approximately 135,000. This program offers elementary, intermediate and advanced Japanese language and culture courses at Meikai University. All students will take a language course, and conversation course and a culture course. This program takes place during Summer B term.

**ENGLISH STUDY ABROAD: Program**

**College of Arts and Sciences**

**Department of Art, Visual Arts Building, 117**

**Edinburgh, Scotland**

**Fine Arts**

Students register for ART 4906 (4 credits) and enroll in two consecutive weekend courses at the Edinburgh School of Art. Edinburgh is a small friendly city with a wealth of Historic and cultural attractions that inspire the creative spirit.

**Mexico City, Mexico**

**Art History**

In Mexico, the clash of the Spanish and the Aztec civilizations a half-millennia ago created a tapestry of religions, customs and rituals. Nowhere is this better reflected than in the art of Mexico City. Students enroll in ARH 3930 in Summer A. The course in Art History incorporates a ten day excursion to Mexico City.

**HEALTH STUDY ABROAD**

**College of Health and Public Affairs**

**School of Social Work**

**Health and Public Affairs Building, 204**

**Pretoria, South Africa**

South Africa is rapidly emerging as a leading force on the African continent and an active player on the global stage. Undoing the years of apartheid and worldwide sanctions is a significant undertaking that is accompanied by a myriad of social, political and economic concerns. Johannesburg and Pretoria are the ideal backdrop against which to study the developing South Africa. Graduate and undergraduate students earn 3 credits. Program consists of morning classroom lectures and discussions followed by afternoon field trips that compliment each morning's class topic.
ECONOMICS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A./M.A.A.E.)

College of Business Administration
Department of Economics
Email: rpennington@bus.ucf.edu, BA2 308B
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
      Required: SPC 1600
   B. Cultural and Historical Foundations
      9 hrs
   C. Mathematical Foundations
      Select MAC 1105 College Algebra 3 hrs
      Select CJS 2100C 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 (3 hrs)
   ECO 2013* Macroeconomics
   ECO 2023* Microeconomics
   * See transfer notes for possible substitutions

3. Required Undergraduate Major Courses (15 hrs)
   ECO 3101 Intermediate Price Theory 3 hrs
   ECO 3203 Aggregate Econ. Conditions Analysis 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 3 hrs

5. Courses shared BA/MAAE (15 hrs)
   ECO 6403 Mathematical Economics 3 hrs
   ECO 6118 Microeconomics Analysis 3 hrs
   ECO 6206 Aggregate Econ. Conditions & Analysis 3 hrs
   ECO 6424 Econometrics 3 hrs
   ECO 6XXX Economics Elective 3 hrs
   * 15 hours can count towards both BA and MAAE

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 Foreign Language and Literature or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

9. Electives (variable)

10. University Minimum Exit Requirements - B.A.
    - 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded.
    - 48 semester hours of upper division credit completed.
    - 80 credit hours taken in residence 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).

Total Semester Hours Required (BA/MAAE) 135 hrs

11. Courses taken toward MAAE (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.

12. End of Program Option: (6 hrs)
    All candidates for the M.A. in Applied Economics degree must complete an end-of-program option. This requirement can be met by any of the following three equivalent options: 1) Thesis option, 2) Graduate internship option, or 3) All course work option. See the graduate catalog for a detailed description of the options.

Total Semester hours (BA/MAAE) 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 MAAE 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.

ECONOMICS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.S.B.A./M.A.A.E.)

College of Business Administration
BA2 101, 407-823-2184
http://www.bus.ucf.edu/economics
Email: rpennington@bus.ucf.edu, BA2 308B
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
Accelerated Undergraduate-Graduate Programs

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
      Select MAC 1105 College Algebra (3 hrs)
      Select CGS 2100C Computer Fundamentals for Business (3 hrs)
   D. Social Foundations
      Select ECO 2013 Principles of Macroeconomics I or
      ECO 2023 Principles of Microeconomics II (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
   ACG 2071 Principles of Managerial Accounting
   ECO 2013 Principles of Macroeconomics
   ECO 2023 Principles of Microeconomics
   *ECO 3401 Quantitative Business Tools I
   *ECO 3402 Quantitative Business Tools II
   CTS 2100C Computer Fundamentals for Business
   *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. Common Body of Knowledge (30 hrs)
   First Semester in the College of Business Administration:
   GEB 3031 Cornerstone (6 hrs)
   First or subsequent semesters depending on major:
   BUL 3130 Legal & Ethical Environ. 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. Required Undergraduate Major Courses (9 hrs)
   ECO 3101 Intermediate Price Theory (3 hrs)
   ECO 3203 Aggregate Econ Conditions Analysis (3 hrs)
   ECO 4451 Research Methods in Economics (3 hrs)

5. Restricted Electives (3 hrs)
   Select one 3000 - 4000 level elective (3 hrs)

6. Courses Shared BSBA/MAAE (15 hrs)
   ECO 6403 Mathematical Economics (3 hrs)
   ECO 6118 Micro Econ Analysis (3 hrs)
   ECO 6206 Aggregate Econ Conditions Analysis (3 hrs)
   ECO 6424 Econometrics (3 hrs)
   ECO 66XX Economics Elective (3 hrs)

7. Electives (variable)

Total Semester Hours Required 120 hours

8. Courses taken toward MAAE (9 hrs)
   Six to nine additional hours of 6000 level economics electives.
   A maximum of three hours of an approved non-economics elective may be completed from disciplines such as accounting, finance, management, marketing, mathematics, statistics, public administration, health sciences, political science, computer science, and environmental engineering

9. End of Program Option 6 hours
   (1) Thesis option, (2) Graduate Internship option, (3) AA Course Work option (see the graduate catalog for a detailed description of the options).
   The baccalaureate degree will be awarded when program requirements for the BSBA are met and students have completed a minimum of 120 hours of credit. Students will then be reclassified as graduate students. The MAAE will be awarded on completion of the total program of study.

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.
Accelerated Undergraduate-Graduate Programs

- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first MA year
- Students complete and defend a master’s thesis in six hours

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 GEP
   AMH 2020* U. S. History: 1877-Present GEP
   *See Transfer Notes for possible substitutes

3. Core Requirements (9 hrs)
   HIS 4150 History & Historians 3 hrs
   Select one sequence
   EUH 2000, 2001 Western Civilization I & II 6 hrs
   WOH 2012, 2022 World Civilization I & II

4. Upper Division Restricted Electives (21 hrs)
   (Must be taken within the History Department)
   Select six hours of approved history courses within
   three of the four geographic regions 18 hrs
   1. Asian, African, and Middle Eastern
   2. British and European
   3. Latin American
   4. U.S. and Canadian
   Select three hours of approved history courses 3 hrs
   Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

5. Departmental Exit Requirements
   - Maintain a minimum GPA of 3.5 in upper division required courses attempted
   - Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers
   - Students must complete at least 18 of the required 36 history hours at UCF
   - Computer competency met by completion of the major

6. Foreign Language Requirements 0-8 hrs
   Admission: Met by graduation requirement
   Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Language and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

7. Electives (variable)
   Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

8. University Minimum Exit Requirements - BA
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 36 hours of course work must be completed in residence at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
   - Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of summer credit (if applicable)

Total Semester Hours Required 120 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 6000 Historiography 3 hrs
   HIS 6005 Capstone Course 3 hrs
   HIS 6971 Thesis 6 hrs

2. Courses in Area of Concentration (18 hrs)
   Assumes that nine additional hours of graduate courses were taken during the senior year.
   (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 and Iberian Area Studies, Middle Eastern Studies, Russian Area 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.)

College of Arts and Sciences
http://www.cas.ucf.edu/mls/AcceleratedProgram/
Liberal Studies Undergraduate Program, CNH 201
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 Undergraduate-Graduate Programs

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.
- 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 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.

<table>
<thead>
<tr>
<th>Track Requirements</th>
<th>Liberal Studies track</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor</td>
<td>(61 hrs)</td>
</tr>
<tr>
<td>area 1</td>
<td>18 hrs</td>
</tr>
<tr>
<td>area 2</td>
<td>18 hrs</td>
</tr>
</tbody>
</table>

Computer Information Technology (CIT) track

<table>
<thead>
<tr>
<th>CIT Minor</th>
<th>(54 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>One liberal studies area</td>
<td>18 hrs</td>
</tr>
</tbody>
</table>

Liberal Arts track

| An approved course in ethics | (3 hrs) |
| An approved course in critical thinking | (3 hrs) |
| Individual minor | 24 hrs |
| Directed Readings or Honors seminar | 3 hrs |
| IDS 4970H Thesis | 3 hrs |

Environmental Studies Track

| Core or Environmental Studies | (54 hrs) |
| Subject area: Environmental Studies Fundamentals | 20 hrs |
| Specialized Subject area: Values, Science, Technology, Envir. | 18 hrs |

Women's Studies Track

| Women's Studies minor | (54 hrs) |
| One Women's Studies Subject area | 18 hrs |
| One Liberal Studies Subject area | 18 hrs |

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.
- Liberal Arts track.
- Maintain a minimum GPA of 3.5 in all Liberal Arts Track courses.
- Maintain a minimum GPA of 3.2 in all upper level courses.
- Computer Competency is met by IDS 4970H.

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 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.

(See Graduate Catalog for specific requirements)

Core courses (9 hrs)
- IDS 6298: 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 use for in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.

NURSING (B.S.N.)

RN TO MSN OPTION

College of Health and Public Affairs
HPA 220, 407-823-2744
http://www.cohpa.ucf.edu/nursing/
Program Coordinator: Linda Hennig

Accelerated program for students who are licensed as an RN and meet general education requirements, prerequisites, and required GPA.

Available for all tracks in the graduate program. Nursing Leadership and Management, Family Nurse Practitioner, Adult Nurse Practitioner, Pediatric Nurse Practitioner, and Clinical Nurse Specialist. (See UCF Graduate Catalog for current offerings.) Up to 15 credit hours may be applied toward meeting requirements of both BSN and MSN programs.

Admission Requirements - Limited Access
Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the School of Nursing or visit our website for application materials. All applicants must meet the following criteria:

- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as an RN
- Completion of UCF general education requirements or an AA degree from a Florida community college, including CLAST (or exempt)
- Completion of prerequisites for the RN-BSN nursing program
- Minimum cumulative GPA of 3.0
- A minimum combined GRE score of 900 on the verbal/quantitative exams.
- Admitted to UCF undergraduate program
- Three professional references
- Resume
- Letter of Intent

Interim Requirements:
Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Nursing Phase: (To be met during the semester the BSN is awarded)
- Application to Graduate Studies
- Completion of all UCF School of Nursing coursework to date with a minimum GPA of 3.0
- An updated resume

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should consult with a college advisor or community college 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
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 60 hours including specified courses
- 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 9 hrs
   - B. Cultural Historical Foundations 9 hrs
   - C. Mathematical Foundations 6 hrs
   - MAC 1105
   - Select STA 2014C
   - Select STA 2014
   - Select SYG 2000 or SYG 2000 or PSY 2012 or Select one: ECO 2023 or ECO 2023 or POS 2041
   - Select CHM 1032
   - Select CHM 1032
   - Select SOW 3104

2. Common Program Prerequisites 21 hrs
   - PSY 2012 General Psychology** 3 hrs
   - SYG 2000 Sociology 3 hrs
   - MCB 2004C Health Microbiology 4 hrs
   - CHM 1032L General Chemistry and lab** 4 hrs
   - ZOO 3733C Human Anatomy* 4 hrs
   - PCB 3703C Human Physiology 4 hrs
   - STA 2014C or 2023 Principles of Statistics** 3 hrs
   - SOW 3104 Assessing Human Development or 3 hrs
   - DEP 2004 Developmental Psychology 3 hrs
   - HUN 3011 Human Nutrition 3 hrs

*May take Anatomy and Physiology sequence of six-eight total credits.
**Also meets General Education Requirements;
Applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Upper Division Restricted Elective  none

4. Departmental Exit Requirements
Compliance 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

5. Electives none

6. Foreign Language Requirements (0-8 hrs)
Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).
Graduation: none

7. University Minimum Exit Requirements
(For students exiting after earning BSN.)
- 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 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.
ARTICULATED A.S. TO B.S. PROGRAMS

The University offers eight specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in one of the following eight programs: 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 or later for Criminal Justice or Computer Engineering Technology) from a Florida public community college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The new community college A.S. programs have slightly different requirements.
3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.
4. Students should write on the front of their application for admission to UCF, “A.S. - B.A./B.S.” 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 course work. The total hours required for the General Education Program (GEP) will be 36 hours, excluding any necessary remediation.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department or the Director of Transfer Services, (407) 823-2231.

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
HPA1 311 407-823-2603
http://www.cohipfa.ucf.edu/crim.jus/
Undergraduate Program Coordinator: David Fabianic
e-mail: cjadvise@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 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CJL 3510 Prosecution and Adjudication 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs

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
   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.

7. Foreign Language Requirements
Articulated A.S. To B.S. Programs

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 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 hours
Related Programs: Legal Studies
Related Minors: Legal Studies, Public Administration, Psychology.

ELECTRICAL ENGINEERING TECHNOLOGY (BSEE)
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.engr.ucf.edu

Admission Requirements
Completion of a Statewide Articulated A.S. in Electrical Engineering Technology from a Florida public community college which is composed of 68 hours of course work, including at least 22 hours of transferable General Education courses.

Degree Requirements
- Students should check with their ENT advisor frequently to ensure that they are making proper progress toward the degree.
- A grade of “C” (2.0) or better is required in all prerequisites and upper level courses.

1. UCF General Education Program
   (14 hrs)
   A. Communication Foundations 3 hrs
   B. Cultural and Historical Foundations 3 hrs
   C. Mathematical Foundations 4 hrs
      Select MAC 2311 or MAC 2253
   D. Science Foundations 4 hrs
      Select PHY 2049 and PHY 2049L or PHY 2054C

2. Common Program Prerequisites (CPP)
   (4 hrs)
   MAC 2311 or MAC 2253
   MAC 2312 or MAC 2254 or equivalent
   PHY 2048 and PHY 2048L or PHY 2053C

3. Engineering Technology Core Requirements
   (18 hrs)
   ETG 3541 Applied Mechanics 3 hrs
   ETI 3651C Computer Applications 3 hrs
   ETI 3671 Technical Economic Analysis 3 hrs
   ETI 4036 Technology Administration 3 hrs
   ETI 3116 Engineering Quality Assurance 3 hrs
   ENC 3241 Technical Report Writing 3 hrs
   BSC 1005L or BSC 1050L 4 hrs

4. Upper Level Required Courses
   (21 hrs)
   CET 3198C Digital Systems 3 hrs
   CET 3503 Microcomputer Technology I 3 hrs
   CET 4134C Microprocessor Electronics II 3 hrs
   EET 3716 Network Analysis 3 hrs
   EET 4158C Linear Integrated Circuits 3 hrs
   EET 4548 Power Systems 3 hrs
   EET 4732C Feedback Control Systems 3 hrs

5. Upper Level Technical Electives
   Select six hours from the following:
   CET 3144C Applied Microprocessor Technology 3 hrs
   CET 4139C 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
   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 residence at UCF
- A maximum of 45 semester hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits are permitted
- Complete the General Education Program, the Gordon Rule, the CLAST, and nine semester hours of Summer credit (if applicable)

Total Semester Hours Required: 134 hours
Related Programs: Electrical Engineering Technology (Electrical Systems Concentration).
Related Minors: none

Transfer Notes:
- Students transferring from any Florida public institution with an A.A. or with the General Education Program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- ENT Departmental Residency Requirements consist of at least 33 semester hours of regularly-scheduled 3000 or 4000 level courses taken from the UCF ENT Department.
- PHY 2048/L can substitute for PHY 2053C.

Junior Year
Fall 13/14 hrs Spring 16 hrs
MAC 2253 Applied Calc I or 3/4 PHY 2054C/2049 w/ lab 4
MAC 2311 Calc w/Analy Geom I 3 ETG 3541 Applied Mechanics 3
ETI 3671 Tech Economic 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
ETG 3541 Applied Mechanics 3 Cultural/Historical Foundation 3

Senior Year
Fall 13 hrs Spring 12 hrs
EET 4548 Power Systems 3 EET 4158C Feedback Control Sys 3
ETI 4158C Linear Int Cir 3 ETI 3651C Computer Applications 3
CET 3503 Microcomputer Tech I 3 ETG 4950C Srn Design Project 3
MAC 2312, 2254 or MAP 3401 4 ENC 3241 Writing Tech Pros 3
EST 4227 Photonics Sensor 3

Summer 9 hrs
CET 4333 Comp Org & Design 3 CET 4139C Digital Program Devices 3
CET 4134C Microprocessor Elec II 3
Articulated A.S. To B.S. Programs

Finance
- FIN 3303
- FIN 3414
- FIN 3504

Management
- MAN 4240
- MAN 3301

Marketing
- MAR 4156
- MAR 4841
- MAR 3613
- MAR 3403

6. 4000 Level Requirement:
At least two of the second level courses must be at the 4000 level.

7. A.S. Transfer Classes
Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

8. Foreign Language Requirements
(0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation: none

9. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 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, Macroeconomics, Microeconomics, 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 better in each common program prerequisites 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.

UCF
UNIVERSITY OF CENTRAL FLORIDA

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 2100C Computer Fundamentals of Business or STA 2023 Statistical Methods I (GEP)
   or ECO 2013 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 Srmg Mgmt in Hospitality Industry 3 hrs
   HFT 4286 Hospitality Communications 3 hrs
   HFT 4462 Hospitality Industry Finance 3 hrs
   HFT 4942 Internship 1 hr
   HFT 4941 Internship 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.
   ■ The Rosen College of Hospitality Management requires all first time at UCF students to live in the Rosen College student apartments for their first year enrolled in the College.

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 (15 hrs)
      Choose five advanced courses from the following list:
      HFT 3313 Hospitality Physical Plant Management 3 hrs

B. Event Management Track – Choose 5 Courses (15 hrs)
   HFT 4753 Convention and Conference Services 3 hrs
   HFT 4754 Exhibit & 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 4575 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

2005-2006 Undergraduate Catalog
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 3757 Event Management 3 hrs
HFT 3795 Entertainment Arts and Events 3 hrs

E. Tourism Management Track (15 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 4754 Exhibit & Trade Show Operations 3 hrs
HFT 3757 Event Management 3 hrs

F. Lodging Management Track (15 hrs)
HFT 3513 Hospitality Physical Plant Management 3 hrs
HFT 4343 Hospitality Facilities Planning & Design 3 hrs
HFT 4473 Hotel Development Analysis 3 hrs
HFT 4253 Hotel Operations 3 hrs
HFT 3515 Reservations Sales & Marketing 3 hrs

G. Hospitality Financial Management and Technology (15 hrs)
HFT 4442 Vacation Ownership Resort Reservations/ Data Base Systems 3 hrs
HFT 4473 Hotel Development Analysis 3 hrs
HFT 4453 Food, Beverage and Labor Cost Controls 3 hrs
HFT 4432 Hospitality Industry Auditing 3 hrs
HFT 4413 Technology Applications for Management 3 hrs
HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs

6. Foreign Language Requirements (0-8 hrs)
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

7. University Minimum Exit Requirements
A 2.0 UCF GPA
42 semester hours of upper division credit completed
30 of the last 36 hours of course work must be completed in residence at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
Completion of the General Education Program, the Gordon Rule, the CLAST, and 9 semester hours of Summer credit (if applicable)

8. Electives (variable)

9. Cooperative Education 0 hrs
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 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 9 hrs
(9 hours completed in AS degree program)
B. Cultural and Historical Foundations 9 hrs
C. Mathematical Foundations 6 hrs
D. Social Foundations 6 hrs
E. Science Foundations 6 hrs

2. Engineering Technology Core Courses (26 hrs)
ETI 3651C Computer Applications 3 hrs
CET 3010 Intro to Info Technology 3 hrs
STA 2023 Statistical Methods I 3 hrs
ETI 4448 Applied Proj Mgmt 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
ETT 305C Electricity & Electronics 4 hrs
CET 3323C Digital Technology 4 hrs
CET 2364 Systems Applications in C 3 hrs
ETI 4448 Applied Proj Mgmt 3 hrs
CET 3323C Digital Technology 4 hrs
CET 2364 Systems Applications in C 3 hrs
EET 3085C Electricity & Electronics 4 hrs
CET 3323C Digital Technology 4 hrs
CET 2364 Systems Applications in C 3 hrs

3. Lower Level Required Courses Taken at Community College (33 hrs)

4. Required Technical Courses (21 hrs)
CET 4427 Applied Database I 3 hrs
CET 3383 Applied Systems Analysis I 3 hrs
CET 4505 Applied Operating Systems I 3 hrs
CET 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
CET 4333 Computer Organization & Design 3 hrs
CET 4748 Wide Area Networks I 3 hrs

5. Technical Electives (12 hrs)
Choose four from the following:
CET 3198C Digital Systems 3 hrs
CET 4138C Digital Programmable Devices 3 hrs
CET 4931 Current Topics in Technology 3 hrs
CET 4749 Wide Area Network II 3 hrs
MAP 3401 Problem Analysis 3 hrs
CET 4523 Applied Systems Analysis II 3 hrs
CET 4429 Applied Database II 3 hrs
CET 4583 Web Base Systems I 3 hrs
CET 4584 Web Base Systems II 3 hrs
CET 4663 Computer & Networks Security 3 hrs
STA 5937 Data Mining I 3 hrs

6. Departmental Exit Requirements none
Articulated A.S. To B.S. Programs

7. Foreign Language Requirements (0-8 hrs)
Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
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 hours
Related Programs: none
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  Spring 12 hrs
EET 3085C Elect & Electronics 4  CET 4483 Local Area Network 3
CET 3213C Digital Tech 4  ETI 3951C Computer Appl 3
CET 3010 Intro to Info Tech 3  Tech Elective 3
CET 2364 Systems Apps in C 3  STA 2023 3
Summer 9 hrs
CET 4333 Comp Org & Design 3
ENC 3241 Tech Rept Writing 3
ETI 4448 Applied Proj Mgmt 3
Senior Year
Fall 12 hrs  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) College of Arts and Sciences
Liberal Studies Program, CNH 201
http://www.cas.ucf.edu/liberal_studies
Liberal Studies Advising Team, 407-823-0144
The program is administered through the Office of Liberal and Interdisciplinary Studies in the College of Arts and Sciences and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the interests 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 (26 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 audit.
- Students are required to take a minimum of 18 UCF hours, as well as 18 upper-division hours, in the two areas combined.

290 UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog
Articulated A.S. To B.S. Programs

NURSING (B.S.N.)
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/
RN-BSN Coordinator: 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 the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

2. Common Program Prerequisites (21 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUP 2011</td>
<td>General Psychology**</td>
<td>GEP</td>
</tr>
<tr>
<td>HUM 2024</td>
<td>Health Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>General Chemistry and Lab**</td>
<td>GEP</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology*</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics**</td>
<td>GEP</td>
</tr>
<tr>
<td>or 2023</td>
<td>Statistical Methods I</td>
<td></td>
</tr>
<tr>
<td>or DEP 2004</td>
<td>or Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>SOW 3104</td>
<td>Assessing Human Development or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DEP 2004</td>
<td>Developmental Psychology</td>
<td></td>
</tr>
</tbody>
</table>

* May take Anatomy and Physiology sequence of six-eight total credits;
**Also meets General Education Requirements;
See a UCF Nursing advisor for possible course substitutions.

3. Core Requirements (55 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3805</td>
<td>Transitional Concepts in Nursing I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research/Critical Inquiry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4084</td>
<td>Transitional Concepts in Nursing II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4636</td>
<td>Community as Continent of Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4636L</td>
<td>Clin Prac in Comm-Oriented Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4827</td>
<td>Leadership and Management Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, &amp; Econ</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4812</td>
<td>Directed Nursing Practice</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Validation Credit</td>
<td></td>
<td>28 hrs</td>
</tr>
</tbody>
</table>

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 use in the degree program by the Liberal Studies Advising Team. The student must provide all supporting information.
Criminal history information (background check) must be submitted to the Limited Access Program must be made directly to the upper division Radiologic Sciences Program. Separate application to the university does not necessarily constitute admission.

Acceptance to the university does not necessarily constitute admission.

"A personal interview is also required."

2. Common Program Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CC courses</td>
<td>completed as part of the approved A.S. program GEP and core courses</td>
<td></td>
</tr>
</tbody>
</table>

* See Transfer Notes

3. Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTE 3000</td>
<td>Introduction to Radiologic Sciences</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTE 3111C</td>
<td>Introduction to Radiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTE 3503C</td>
<td>Radiographic Procedures I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTE 3116</td>
<td>Advanced Patient Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTE 3418C</td>
<td>Principles of Radiographic Exposure I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTE 3504</td>
<td>Clinical Education I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>RTE 3513C</td>
<td>Radiographic Procedures II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTE 3457C</td>
<td>Principles of Radiographic Exposure II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTE 3684C</td>
<td>Physics of Image Production</td>
<td>2 hrs</td>
</tr>
<tr>
<td>HSC 3540</td>
<td>Health Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTE 3308</td>
<td>Medical Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4550</td>
<td>Pathophysiologic Mechanisms</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* See Transfer Notes

4. Upper Division Restricted Electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTE 4209</td>
<td>Radiologic Adm. Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>RTE 4832L</td>
<td>Directed Study Radiologic Education</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Core course requirements will include PHY 2054C. Additional core course requirements will be determined during advisement.

5. Program Exit Requirements

A minimum overall GPA of 2.50 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission. Under the provisions of the statewide articulation agreement.

Degree Requirements

Students must 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundations</td>
<td></td>
<td>6 hrs</td>
</tr>
<tr>
<td>B. Cultural Historical Foundations</td>
<td></td>
<td>6 hrs</td>
</tr>
<tr>
<td>C. Mathematical Foundations</td>
<td></td>
<td>0 hrs</td>
</tr>
<tr>
<td>D. Social Foundations</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>E. Science Foundations</td>
<td></td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

Select ENC 1102, SPC 1600

Select PHY 2053C

Select BSC 2010C

* See Transfer Notes

2005-2006 Undergraduate Catalog
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)

Total Semester Hours Required: (124 hours) The total hours required for the A.S. to B.S. articulated Radiologic Sciences degree shall be no more than 132 credit hours.

Related Programs: Cardiopulmonary Sciences, Nursing, Health Services Administration

### Related Minors: Health Services Administration

### Transfer Notes:
Credit by Examination - 23 credit hours of credit by exam for clinical education courses will be awarded to Registered Technologists certified by the American Registry of Radiologic Technologists (ARRT), 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. If competency is not successfully demonstrated, additional clinical coursework may be required. Students who successfully complete the requirements for credit by exam will be awarded a grade of “S” for the clinical education courses required in their program of study. Credit by exam for didactic courses will be awarded according to the process described in the UCF catalog.

### Community College Equivalents:
- Human Anatomy and Physiology I and II (BSC X085C and BSC X086C or BSC 2093C and BSC 2094C) 8
- College Algebra (MAC 1105) 3
- College Physics I (PHY 2053C) 4
- College Physics II (PHY 2054C) 4
- Introduction to Computer Science (CGS 1060C) or any other Computer Science course 3

### Commons Course Numbering System

#### Classification of Courses
The University course numbering system is as follows:

- 0-099 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) and are designed primarily for these and other advanced students. When approved for inclusion in an individual program of graduate study by a supervisory committee approved by the Office of Graduate Studies, selected 4000-4999 courses may serve the needs of individual graduate students.
- 5000-5999 Beginning graduate and advanced undergraduate level courses - open to graduate students and those seniors who receive approval of the appropriate Dean(s).
- 6000-6999 Courses 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.)
- 7000-7999 Doctoral-level courses.

#### 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 on the following page.)

For example, a survey course in social problems is offered by 34 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.”

### Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code</th>
<th>Century Digit</th>
<th>Decade Digit</th>
<th>Unit Digit</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Sociology, General</td>
<td>Freshman level level at this institution</td>
<td>Entry-level General Sociology</td>
<td>Survey Course</td>
<td>Social Problems</td>
<td>No laboratory component in this course</td>
</tr>
</tbody>
</table>
Exceptions to the General Rule for Equivalency
The following rules are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution:

A. Courses in the 900-999 series (e.g., HUM 2905)
B. Internships, practica, clinical experiences, and study abroad courses
C. Performance or studio courses in Art, Dance, Theater, and Music
D. Skills courses in Criminal Justice
E. Graduate courses
F. Courses not offered by the receiving institution

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 (Name of Institution Statewide Course Numbering System Contact) in the (Office where Institution Contact may be located) of 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 850-245-0427 or SunCom 205-0427.

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 prefix designation.

Authority for Acceptance of Equivalent Courses
State Board of Education Rule 6A-10.024(19), Florida Administrative Code, reads:

When a student 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 common course designation and numbering system, the receiving institution shall award credit for courses satisfactorily completed at the previous participating institutions when the courses are judged by the appropriate common course designation and numbering system faculty task forces 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 award of credit may be limited to courses that are entered in the course numbering system. Credits so awarded shall satisfy institutional requirements on the same basis as credits awarded to native students.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAS</td>
<td>Dairy Science</td>
</tr>
<tr>
<td>DEA</td>
<td>Dental Assisting</td>
</tr>
<tr>
<td>DEC</td>
<td>Marketing and Distributive Education</td>
</tr>
<tr>
<td>DEH</td>
<td>Dental Hygiene</td>
</tr>
<tr>
<td>DEM</td>
<td>Demography</td>
</tr>
<tr>
<td>DEN</td>
<td>Developmental Psychology</td>
</tr>
<tr>
<td>DES</td>
<td>Dental Support</td>
</tr>
<tr>
<td>DIE</td>
<td>Dietetics</td>
</tr>
<tr>
<td>DIM</td>
<td>Diesel Mechanics</td>
</tr>
<tr>
<td>DTE</td>
<td>Dental Laboratory Technology</td>
</tr>
<tr>
<td>DUT</td>
<td>Dutch Language</td>
</tr>
<tr>
<td>EAB</td>
<td>Experimental Analysis of Behavior</td>
</tr>
<tr>
<td>EAP</td>
<td>English for Academic Purposes</td>
</tr>
<tr>
<td>EAS</td>
<td>Aerospace Engineering</td>
</tr>
<tr>
<td>ECH</td>
<td>Engineering: Chemical</td>
</tr>
<tr>
<td>EGI</td>
<td>Engineering: Gifted</td>
</tr>
<tr>
<td>EMD</td>
<td>Engineering: Middle School</td>
</tr>
<tr>
<td>EDP</td>
<td>Educational Psychology</td>
</tr>
<tr>
<td>EDS</td>
<td>Education: Supervision</td>
</tr>
<tr>
<td>EEC</td>
<td>Education: Early Childhood</td>
</tr>
<tr>
<td>EED</td>
<td>Education: Emotional Disorders</td>
</tr>
<tr>
<td>EEL</td>
<td>Engineering: Electrical</td>
</tr>
<tr>
<td>EER</td>
<td>Electrical/Electronics Repair</td>
</tr>
<tr>
<td>EES</td>
<td>Environmental Engineering Science</td>
</tr>
<tr>
<td>EET</td>
<td>Electronic Engineering Technology</td>
</tr>
<tr>
<td>EEV</td>
<td>Electrical/Electronic: Vocational</td>
</tr>
<tr>
<td>EEX</td>
<td>Education: Exceptional Child- Core Competencies</td>
</tr>
<tr>
<td>EGC</td>
<td>Counselor Education</td>
</tr>
<tr>
<td>EGI</td>
<td>Education: Gifted</td>
</tr>
<tr>
<td>EGM</td>
<td>Engineering Science</td>
</tr>
<tr>
<td>EGN</td>
<td>Engineering: General</td>
</tr>
<tr>
<td>EGS</td>
<td>Engineering: Support</td>
</tr>
<tr>
<td>EHD</td>
<td>Education:Hard of Hearing &amp; Deaf</td>
</tr>
<tr>
<td>EIA</td>
<td>Education: Industrial Arts</td>
</tr>
<tr>
<td>EIN</td>
<td>Industrial Engineering</td>
</tr>
<tr>
<td>EIV</td>
<td>Education: Industrial/Vocational</td>
</tr>
<tr>
<td>ELD</td>
<td>Education: Specific Learning Disabilities</td>
</tr>
<tr>
<td>ELR</td>
<td>Electrical Laboratories and Related Areas</td>
</tr>
<tr>
<td>EMA</td>
<td>Materials Engineering</td>
</tr>
<tr>
<td>EMC</td>
<td>Engineering: Mechanical &amp; Chemical</td>
</tr>
<tr>
<td>EMF</td>
<td>Education: Technology and Media</td>
</tr>
<tr>
<td>EML</td>
<td>Engineering: Mechanical</td>
</tr>
<tr>
<td>EMR</td>
<td>Education: Mental Retardation</td>
</tr>
<tr>
<td>EMS</td>
<td>Emergency Medical Services</td>
</tr>
<tr>
<td>ENC</td>
<td>English Composition</td>
</tr>
<tr>
<td>ENG</td>
<td>English- General</td>
</tr>
<tr>
<td>ENL</td>
<td>Hospitality Management</td>
</tr>
<tr>
<td>ENS</td>
<td>English for Non-Native Speakers (College-Level Courses)</td>
</tr>
<tr>
<td>ENU</td>
<td>Engineering: Nuclear</td>
</tr>
<tr>
<td>ENV</td>
<td>Engineering: Environmental</td>
</tr>
<tr>
<td>ENY</td>
<td>Entomology</td>
</tr>
<tr>
<td>EOC</td>
<td>Ocean Engineering</td>
</tr>
<tr>
<td>EPH</td>
<td>Education: Physical &amp; Multiple Handicapped</td>
</tr>
<tr>
<td>ESC</td>
<td>Earth Science</td>
</tr>
<tr>
<td>ESE</td>
<td>Education: Secondary</td>
</tr>
<tr>
<td>ESI</td>
<td>Industrial/Systems Engineering</td>
</tr>
<tr>
<td>ESL</td>
<td>College: Preparatory English for Non-Native Speakers</td>
</tr>
<tr>
<td>EST</td>
<td>Electronic Specialty Technology</td>
</tr>
<tr>
<td>ETC</td>
<td>Engineering Technology: Civil</td>
</tr>
<tr>
<td>ETD</td>
<td>Engineering Technology: Drafting</td>
</tr>
<tr>
<td>ETG</td>
<td>Engineering Technology: General</td>
</tr>
<tr>
<td>ETI</td>
<td>Engineering Technology: Industrial</td>
</tr>
<tr>
<td>ETM</td>
<td>Engineering Technology: Mechanical</td>
</tr>
<tr>
<td>ETN</td>
<td>Electroencephalographic Technology</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>MRE</td>
<td>Medical Records</td>
</tr>
<tr>
<td>MSS</td>
<td>Massage</td>
</tr>
<tr>
<td>MTB</td>
<td>Mathematics-Technical and Business</td>
</tr>
<tr>
<td>MTE</td>
<td>Marine Technology and Nautical Science</td>
</tr>
<tr>
<td>MTG</td>
<td>Mathematics-Topology and Geometry</td>
</tr>
<tr>
<td>MTS</td>
<td>Medical Transcription Science</td>
</tr>
<tr>
<td>MUC</td>
<td>Music Composition</td>
</tr>
<tr>
<td>MUE</td>
<td>Music: Education</td>
</tr>
<tr>
<td>MUG</td>
<td>Music: Conducting</td>
</tr>
<tr>
<td>MUH</td>
<td>Music: History/Musycology</td>
</tr>
<tr>
<td>MUL</td>
<td>Music Literature</td>
</tr>
<tr>
<td>MUM</td>
<td>Music: Commercial/Management/Administration</td>
</tr>
<tr>
<td>MUN</td>
<td>Music Ensembles</td>
</tr>
<tr>
<td>MUO</td>
<td>Music: Opera/Musical Theatre</td>
</tr>
<tr>
<td>MUR</td>
<td>Music: Church</td>
</tr>
<tr>
<td>MUS</td>
<td>Music</td>
</tr>
<tr>
<td>MUT</td>
<td>Music: Theory</td>
</tr>
<tr>
<td>MUY</td>
<td>Music: Therapy</td>
</tr>
<tr>
<td>MVB</td>
<td>Applied Music: Brasses</td>
</tr>
<tr>
<td>MVH</td>
<td>Historical Instruments</td>
</tr>
<tr>
<td>MVK</td>
<td>Applied Music: Jazz</td>
</tr>
<tr>
<td>MKO</td>
<td>Applied Music: Keyboard</td>
</tr>
<tr>
<td>MVO</td>
<td>Applied Music: Other</td>
</tr>
<tr>
<td>MVP</td>
<td>Applied Music: Percussion</td>
</tr>
<tr>
<td>MWS</td>
<td>Applied Music: Strings</td>
</tr>
<tr>
<td>MVV</td>
<td>Applied Music: Voice</td>
</tr>
<tr>
<td>MWW</td>
<td>Applied Music: Woodwinds</td>
</tr>
<tr>
<td>NEM</td>
<td>Nematology</td>
</tr>
<tr>
<td>NGR</td>
<td>Nursing, Graduate</td>
</tr>
<tr>
<td>NMT</td>
<td>Nuclear Medicine Technology</td>
</tr>
<tr>
<td>NSC</td>
<td>Naval Science</td>
</tr>
<tr>
<td>NUR</td>
<td>Nursing, Generic Undergraduate</td>
</tr>
<tr>
<td>OCA</td>
<td>Office Computer Applications</td>
</tr>
<tr>
<td>OCB</td>
<td>Biological Oceanography</td>
</tr>
<tr>
<td>OCC</td>
<td>Chemical Oceanography</td>
</tr>
<tr>
<td>OCE</td>
<td>General Oceanography</td>
</tr>
<tr>
<td>OCG</td>
<td>Geological Oceanography</td>
</tr>
<tr>
<td>OCP</td>
<td>Physical Oceanography</td>
</tr>
<tr>
<td>OPT</td>
<td>Office Technology (Occupational/Variable Paced)</td>
</tr>
<tr>
<td>ORH</td>
<td>Ornamental Horticulture</td>
</tr>
<tr>
<td>ORI</td>
<td>Oral Interpretation</td>
</tr>
<tr>
<td>ORV</td>
<td>Ornamental Horticulture (Variable Paced)</td>
</tr>
<tr>
<td>OSE</td>
<td>Optical Science and Engineering</td>
</tr>
<tr>
<td>OCE</td>
<td>General Oceanography</td>
</tr>
<tr>
<td>OCG</td>
<td>Geological Oceanography</td>
</tr>
<tr>
<td>OCP</td>
<td>Physical Oceanography</td>
</tr>
<tr>
<td>OPT</td>
<td>Office Technology (Occupational/Variable Paced)</td>
</tr>
<tr>
<td>OTH</td>
<td>Occupational Therapy</td>
</tr>
<tr>
<td>PAT</td>
<td>Public Administration</td>
</tr>
<tr>
<td>PAF</td>
<td>Public Affairs</td>
</tr>
<tr>
<td>PAS</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>PAN</td>
<td>Peace Studies</td>
</tr>
<tr>
<td>PAX</td>
<td>Peace Studies</td>
</tr>
<tr>
<td>PBI</td>
<td>Process Biology, Cell/Molecular/Ecology/</td>
</tr>
<tr>
<td>PCB</td>
<td>Process Biology, Cell/Molecular/Ecology/</td>
</tr>
<tr>
<td>PCD</td>
<td>Process Biology, Cell/Molecular/Ecology/</td>
</tr>
<tr>
<td>PCO</td>
<td>Process Biology, Cell/Molecular/Ecology/</td>
</tr>
<tr>
<td>PCT</td>
<td>Process Biology, Cell/Molecular/Ecology/</td>
</tr>
<tr>
<td>PCP</td>
<td>Process Biology, Cell/Molecular/Ecology/</td>
</tr>
<tr>
<td>PDE</td>
<td>Physical Education</td>
</tr>
<tr>
<td>PEM</td>
<td>Physical Education</td>
</tr>
<tr>
<td>PEN</td>
<td>Physical Education</td>
</tr>
<tr>
<td>PEO</td>
<td>Physical Education</td>
</tr>
<tr>
<td>PEX</td>
<td>Physical Education</td>
</tr>
<tr>
<td>PET</td>
<td>Physical Education</td>
</tr>
</tbody>
</table>
Courses Numbered 0-999

Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses

In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

<table>
<thead>
<tr>
<th>Special Undergraduate Courses</th>
<th>Grad Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directed Independent Studies</td>
<td>1906, 2905, 3905, 4906, 5907</td>
</tr>
<tr>
<td>Directed Independent Research</td>
<td>4912, 5917</td>
</tr>
<tr>
<td>Special Undergraduate Research</td>
<td>IDS 3013, 4014</td>
</tr>
<tr>
<td>Special Topics/Seminars</td>
<td>1931, 2930, 3930, 4932, 5937</td>
</tr>
</tbody>
</table>

*Internships, Practicums,*

| Clinical Prac                      | 3940, 4941 | 5944 |
| Cooperative Education               | 1949, 2949, 3949, 4949 | 5949 |
| Honors Undergraduate Thesis         | 3970, 4970 | 5957 |
| Honors Directed Reading              | 4903 | 5944 |
| Honors Directed Reading              | 4904 | 5944 |
| Study Abroad                        | 4955 | 5944 |

*These courses may be assigned variable credit. Some may be repeated upon approval.

1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

2Enrollment is limited to those students who are fully admitted to the Graduate Program.

3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.

CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.

Cl: (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 AS = Arts & Sciences, BA = Business Administration, ED = Education, ECS = Engineering and Computer Science, HM = Hospitality Management, and HPA = Health and Public Affairs. Department indicators are listed below (by college):


ACG 2071 BA-ACCT 3 (3,0) Principles of Managerial Accounting: PR: ACG 2071 and MAC 1105 or equivalent. The purpose of this course is to thoroughly familiarize the student with the various uses of accounting information for planning and control.

ACG 3101 BA-ACCT 3 (3,1) Intermediate Financial Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105, ECO 2013 and ECO 2023; and ACG 2071 or its equivalent with a grade of "C" in the accounting course. Review of the accounting cycle, financial statement preparation and the framework of accounting theory. An in-depth study of current assets, fixed assets, and intangible assets.

ACG 3111 BA-ACCT 3 (3,0) Intermediate Financial Accounting II: PR: Accounting major or minor, ACG 3101 with a grade of "C" or better. Accounting theory and practice for current and long-term liabilities, stockholders’ equity, earning per share, investments, revenue recognition, and selected current topics.

ACG 3131 BA-ACCT 3 (3,0) Financial Accounting Concepts and Analysis: PR: Junior Standing, Accounting major or minor, and ACG 2021, ACG 2071 with a grade of "C" (2.0) or better. Technical knowledge about accounting measurement, and disclosure plus the study of how accounting reports are analyzed, and interpreted by external users.

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.

ACG 3301 BA-ACCT 3 (3,0) Management Accounting: PR: Accounting major or minor, Junior standing and C.I. To thoroughly familiarize the student with the various uses of accounting information for planning and control.

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.

ACG 3501 BA-ACCT 3 (3,0) Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of "C" or better in ACG 2071. Application of the application of financial and managerial accounting, and auditing for governmental, and nonprofit organizations.
uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 20th century American society.

AFH 3100 AS-AAS 3(3,0) African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870.

AFH 3200 AS-AAS 3(3,0) African History Since 1870: PR: C.I. Sub-Saharan African history from 1870 to the present.

AFH 5806 AS-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.

AFR 1101 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.

AFR 1111 ECS-AFROTC 1(1,2) The Air Force Today II: A brief review of the Army, Navy, and Marine force. An introduction to special operations and counterinsurgency.

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.

AFR 2131 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.

AFR 3220C ECS-AFROTC 3(3,2) Air Force Leadership and Management I: An introduction to the Air Force management fundamentals, communication skills, and basic leadership styles. Hands on training.

AFR 3230 ECS-AFROTC 3(3,0) Air Force Evaluation and Management II: A concluding study of Air Force management fundamentals, including performance evaluation skills.


AMH 2010 AS-HIST 3(3,0) U.S. History: 1492-1877: Survey of U.S. History from 1492-1877.


AMH 2020 AS-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.


AMH 3370 AS-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.

AMH 3402 AS-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.

AMH 3403 AS-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.

AMH 3421 AS-HIST 3(3,0) History of Florida to 1845: PR: AMH 2010 and 2020 or C.I.

AMH 3423 AS-HIST 3(3,0) Florida History 1845-Present: PR: AMH 2010 and 2020 or C.I.

AMH 3441 AS-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.

AMH 3442 AS-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.

AMH 3541 AS-HIST 3(3,0) U.S. Military History To 1900: PR: AMH 2010 and AMH 2020. U.S. military history from the colonial period to 1900 focusing on the creation of American military institutions, conduct of war, and influence on society.

AMH 3547 AS-HIST 3(3,0) U.S. Military History Since 1900: PR: AMH 2010 and AMH 2020, or C.I. U.S. military history since 1900 emphasizing civil-military relations, warfare, and military developments.


AMH 3562 AS-HIST 3(3,0) Women in American History II: PR: AMH 2010, AMH 2020 or C.I. Examines industrialization, entry of women into higher education and professions, winning of suffrage, changing profile of female wage earner, and rise of modern feminist movement.


AMH 3586 AS-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.

AMH 3610 AS-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 to 1945.

AMH 3613 AS-HIST 3(3,0) Sport in America Since 1945: PR: AMH 2010, AMH 2020 or C.I. Sport emphasizing development of professional and collegiate sport since 1945.

AMH 3800 AS-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.

AMH 4110 AS-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.

AMH 4112 AS-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.

AMH 4130 AS-HIST 3(3,0) The Age of the American Revolution, 1763-1789: PR: AMH 2010 and 2020 or C.I. The American Revolution - its origins, course, and impact upon American society - the Articles of Confederation, the Philadelphia Convention and its work.

AMH 4140 AS-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.

AMH 4160 AS-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.

AMH 4170 AS-HIST 3(3,0) Civil War and Reconstruction: PR: AMH 2010 and 2020 or C.I. Reconstruction, and impact of industrialism.

AMH 4201 AS-HIST 3(3,0) The Gilded Age and Progressivism: PR: AMH 2010 and 2020 or C.I. The Rise of Industrialized and Urbanized America, The emergence of the New South and the New West, the Populist Movement, overseas expansion, Progressivism.

AMH 4231 AS-HIST 3(3,0) United States History: 1914-1939: PR: AMH 2010 and 2020 or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II.

AMH 4270 AS-HIST 3(3,0) United States History: 1939-1969: PR: AMH 2010 and 2020 or C.I. The Cold War and America in the fifties.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Subject</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 4311</td>
<td>AS-HIST</td>
<td>American Civilization: PR: AMH 2010 and 2020 or C.I. The European Backgrounds: Puritanism; Enlightenment; the Great Awakening; Revolutionary Thought; Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation.</td>
</tr>
<tr>
<td>AMH 4313</td>
<td>AS-HIST</td>
<td>American Civilization II: PR: AMH 2010 and 2020 or C.I. The Darwinian Revolution; revolt of the intellectuals; the media explosion; mass entertainment in mass culture; the loss of community, the nuclear age, and presentism.</td>
</tr>
<tr>
<td>AMH 4376</td>
<td>AS-HIST</td>
<td>U.S. Space History: PR: AMH 2010 and AMH 2020, or C.I. Post World War II US rocketry and space travel with focus on the role of Cape Canaveral/Kennedy Space Center.</td>
</tr>
<tr>
<td>AMH 4510</td>
<td>AS-HIST</td>
<td>Rise of the United States to World Power, 1776-1914: PR: AMH 2010 and AMH 2020, or C.I. U.S. diplomacy from World War I through World War II.</td>
</tr>
<tr>
<td>AMH 5116</td>
<td>AS-HIST</td>
<td>Colloquium in U.S. Colonial History: PR: graduate status or senior standing or C.I. Reading and discussion of the literature on selected topics in colonial American history.</td>
</tr>
<tr>
<td>AMH 5137</td>
<td>AS-HIST</td>
<td>Colloquium in U.S. Revolutionary Period: PR: graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789.</td>
</tr>
<tr>
<td>AMH 5149</td>
<td>AS-HIST</td>
<td>Colloquium in Early U.S. History, 1789-1815: PR: graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period.</td>
</tr>
<tr>
<td>AMH 5169</td>
<td>AS-HIST</td>
<td>Colloquium in Age of Jackson: PR: graduate status or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age.</td>
</tr>
<tr>
<td>AMH 5176</td>
<td>AS-HIST</td>
<td>Colloquium in Civil War and Reconstruction: PR: graduate status or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era.</td>
</tr>
<tr>
<td>AMH 5219</td>
<td>AS-HIST</td>
<td>Colloquium in Late 19th Century U.S.: PR: graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th-century U.S.</td>
</tr>
<tr>
<td>AMH 5296</td>
<td>AS-HIST</td>
<td>Colloquium in 20th Century U.S.: PR: graduate status or senior standing or C.I. Reading and class discussion on selected topics of late 20th-century U.S.</td>
</tr>
<tr>
<td>AM 5391</td>
<td>AS-HIST</td>
<td>Colloquium in U.S. Culture History: PR: graduate status or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field.</td>
</tr>
<tr>
<td>AM 5407</td>
<td>AS-HIST</td>
<td>Colloquium in American South: PR: graduate status or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present.</td>
</tr>
<tr>
<td>AM 5446</td>
<td>AS-HIST</td>
<td>Colloquium in U.S. Frontier: PR: graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history.</td>
</tr>
<tr>
<td>AM 5515</td>
<td>AS-HIST</td>
<td>Colloquium in U.S. Diplomatic History: PR: graduate status or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit when content is different.</td>
</tr>
<tr>
<td>AM 5566</td>
<td>AS-HIST</td>
<td>Colloquium: Women in American History: PR: graduate status or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S.</td>
</tr>
<tr>
<td>AM 5597</td>
<td>AS-HIST</td>
<td>AP American History: PR: graduate status or senior standing or C.I. Development of Southern literature from its beginnings in the &quot;Old South&quot; through the post-Civil War and the Southern-Renaissance to the present. Emphasizes reading from Poe, Ransom, Tate, Faulkner, Porter, Warren, O'Connor, Percy, and Styron.</td>
</tr>
<tr>
<td>AM 5616</td>
<td>AS-HIST</td>
<td>Florida Writers: PR: ENC 1102 and ENG 3014. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens.</td>
</tr>
<tr>
<td>PR: ENG 3014. Major American novelists.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AM 5947</td>
<td>AS-HIST</td>
<td>American Literature II: PR: ENC 1102. Major American writers from Whitman to 1945.</td>
</tr>
<tr>
<td>AM 5997</td>
<td>AS-HIST</td>
<td>Contemporary American Women's Fiction: PR: ENC 1102. Literature and by and about African-American culture in the United States. May be repeated for credit.</td>
</tr>
<tr>
<td>AM 6133</td>
<td>AS-HIST</td>
<td>Narratives of Slavery: PR: ENC 1102. Literature and by and about African-American culture in the United States. May be repeated for credit.</td>
</tr>
<tr>
<td>AM 6141</td>
<td>AS-HIST</td>
<td>Topics in African-American Literature: PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States.</td>
</tr>
<tr>
<td>AM 6182</td>
<td>AS-ENG</td>
<td>Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102H or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States.</td>
</tr>
<tr>
<td>AM 6261</td>
<td>AS-ENG</td>
<td>Literature of the South: PR: ENC 1102 and ENG 3014 or C.I. Development of Southern literature from its beginnings in the &quot;Old South&quot; through the post-Civil War and the Southern-Renaissance to the present. Emphasizes reading from Poe, Ransom, Tate, Faulkner, Porter, Warren, O'Connor, Percy, and Styron.</td>
</tr>
<tr>
<td>AM 6265</td>
<td>AS-ENG</td>
<td>Florida Writers: PR: ENC 1102 and ENG 3014. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens.</td>
</tr>
<tr>
<td>AM 6300</td>
<td>AS-ENG</td>
<td>Major American Authors: PR: ENG 3014. A comprehensive study of selected major American literary figures. May be repeated for credit when content changes.</td>
</tr>
<tr>
<td>AM 6430</td>
<td>AS-ENG</td>
<td>Major American Poets: PR: ENG 3014. A comprehensive study of selected major American literary figures. May be repeated for credit when content changes.</td>
</tr>
<tr>
<td>AM 6576</td>
<td>AS-ENG</td>
<td>American Literature: Colonial to Contemporary: PR: Graduate status or senior standing or C.I. Intended for graduate students and future teachers of American Literature, this course surveys texts produced in America from the colonial period to the present.</td>
</tr>
<tr>
<td>AM 6586</td>
<td>AS-ENG</td>
<td>Modern American Poetry: PR: Graduate status or senior standing or C.I. Study of trends, modes, major figures (Eliot, Pound, H.D.,Lawrence, Stevens, Hart, Crane, Moore, W.C. Williams, etc.) within the Modernist movement in American poetry.</td>
</tr>
<tr>
<td>AM 6586</td>
<td>AS-ENG</td>
<td>Archaeological Theory and Method: PR: Graduate status or senior standing or C.I. A consideration of history and current state of the art of the theory and methods used by archaeologists to interpret past behavior.</td>
</tr>
<tr>
<td>AM 6586</td>
<td>AS-ENG</td>
<td>Field Archaeology in Maya Studies: PR: ANG 6189 or C.I. Practical application of method and theory during primary in-field research in the Maya area.</td>
</tr>
<tr>
<td>AM 6586</td>
<td>AS-ENG</td>
<td>Principles in Maya Studies: PR: ANG 6189. An in-depth study of current methodological, theoretical, and/or topical problems in Maya Studies.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Title</td>
<td>Prerequisites</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Ancient Incas: PR: ANT 2000 or SYG 2000 or ANT 2100 or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnographic, historical, and contemporary anthropological sources.</td>
</tr>
<tr>
<td>ANT 3168</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Maya Archaeology: An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field.</td>
</tr>
<tr>
<td>ANT 3184</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Mortuary Archaeology: PR: ANT 2000 or ANT 2100 or ANT 2511. Archaeological interpretations of death, basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern.</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Peoples of the World: A comparative study of religion, family, politics, philosophies, and other elements of sociocultural organization of pre-literate societies.</td>
</tr>
<tr>
<td>ANT 3241</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Magic, Ritual, and Belief: Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena.</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Native American Religions: PR: ANT 2000 or ANT 2410 or C.I. The religious beliefs of native New World peoples.</td>
</tr>
<tr>
<td>ANT 3262</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Rural Society: An introduction to rural society in the U.S. and abroad. Problems of third world development in the rural sector.</td>
</tr>
<tr>
<td>ANT 3273</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Law and Culture: An introduction to law as an organizing force in society, including a study of primitive forms of law and social control.</td>
</tr>
<tr>
<td>ANT 3302</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Sex, Gender and Culture: The traditional and changing roles of women and men viewed in a cross-cultural perspective.</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Indians of the Southeastern United States: A study of the social and cultural history of the Indians of the Southeast.</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Ethnology of North American Indians: A survey of the aboriginal cultures of North America, with emphasis on the pre-contact cultural condition.</td>
</tr>
<tr>
<td>ANT 3314</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Indians of the Northeast Woodlands: PR: ANT 2003 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the North American Northeast.</td>
</tr>
<tr>
<td>ANT 3316</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Black/Seminole Relations: PR: 2000 level GEP Social Science course or C.I. Relationships forged between peoples of African origin and descent and the Seminole Indians.</td>
</tr>
<tr>
<td>ANT 3318</td>
<td>AS-SOC/AN 3(3,0)</td>
<td>Indians of the Northwest Coast: PR: ANT 2003 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.</td>
</tr>
</tbody>
</table>

Maya Iconography: PR: ANG 6168 or C.I. Study and interpretation of ancient Maya Iconography as reflected in art, artifacts, and constructed features.

Maya Hieroglyphs: PR: ANG 6168, graduate status or senior standing, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture.

Nutritional Anthropology: PR: One course in Social Sciences (min-2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological.

General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology.

General Anthropology Honors: PR: Permission of Honors. Extensive honors work in the field of anthropological studies. Expectations, requirements, and standards are greater than for standard General Anthropology.

Archaeology of Complex Societies: A comparative study of religion, family, politics, philosophies, and other elements of sociocultural organization of pre-literate societies.

Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological.

ARCH 2000 AS-SOC/AN 3(3,0)  General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology.

ARCH 3212 AS-SOC/AN 3(3,0)  Peoples of the World: A comparative study of religion, family, politics, philosophies, and other elements of sociocultural organization of pre-literate societies.

ARCH 3245 AS-SOC/AN 3(3,0)  Native American Religions: PR: ANT 2000 or ANT 2410 or C.I. The religious beliefs of native New World peoples.

ARCH 3262 AS-SOC/AN 3(3,0)  Rural Society: An introduction to rural society in the U.S. and abroad. Problems of third world development in the rural sector.

ARCH 3273 AS-SOC/AN 3(3,0)  Law and Culture: An introduction to law as an organizing force in society, including a study of primitive forms of law and social control.

ARCH 3302 AS-SOC/AN 3(3,0)  Sex, Gender and Culture: The traditional and changing roles of women and men viewed in a cross-cultural perspective.

ARCH 3311 AS-SOC/AN 3(3,0)  Indians of the Southeastern United States: A study of the social and cultural history of the Indians of the Southeast.

ARCH 3312 AS-SOC/AN 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.


ARCH 3314 AS-SOC/AN 3(3,0)  Indians of the Northeast Woodlands: PR: ANT 2003 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the North American Northeast.

ARCH 3316 AS-SOC/AN 3(3,0)  Black/Seminole Relations: PR: 2000 level GEP Social Science course or C.I. Relationships forged between peoples of African origin and descent and the Seminole Indians.

ARCH 3318 AS-SOC/AN 3(3,0)  Indians of the Northwest Coast: PR: ANT 2003 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.
ANT 3319 AS-SOC/AN 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.

ANT 3320 AS-SOC/AN 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).

ANT 3332 AS-SOC/AN 3(3,0) People and Cultures of Latin America: An overview of the history and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization.

ANT 3340 AS-SOC/AN 3(3,0) Caribbean Cultures: PR: ANT 2000 or ANT 2410 or C.I. Comparative study of peoples and cultures of the Anglophone, Francophone and Hispanophone Caribbean.

ANT 3358 AS-SOC/AN 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 deaths of both common citizens and royalty in Ancient Egypt (300 BCE-AD 600).

ANT 3363 AS-SOC/AN 3(3,0) Anthropology of Japan: An examination of Japanese culture and its contemporary behavioral and organization patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization.

ANT 3348 AS-SOC/AN 3(3,0) Anthropology of Tourism: PR: Any 2000-level social science course. The social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments.

ANT 3467 AS-SOC/AN 3(3,0) Nutritional Anthropology: PR: One 2000 level course in social sciences and one 2000 level course in biological sciences or C.I. The biological, social, cultural, physiological and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary.

ANT 3541 AS-SOC/AN 3(3,0) Biobehavioral Anthropology: An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments.

ANT 3550 AS-SOC/AN 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.

ANT 3640 AS-SOC/AN 3(3,0) Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and perception.

ANT 3701 AS-SOC/AN 3(3,0) Applied Anthropology: PR: ANT 2003 or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health.

ANT 3702 AS-SOC/AN 3(3,0) Culture, Power and Development: PR: Any 2000-level social science course or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system.

ANT 3802 AS-SOC/AN 3(3,0) Ethnographic Field Methods: PR: ANT 2410 or ANT 3640 or C.I. Procedures and principles of ethnographic research methods.

ANT 3949 AS-SOC/AN 0(0,8) Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. May be repeated. Grade S/U.

ANT 4034 AS-SOC/AN 3(3,0) History of Anthropological Thought: The exploration of the intellectual foundations of modern anthropology.

ANT 4144 AS-SOC/AN 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.

ANT 4153 AS-SOC/AN 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.

ANT 4180C AS-SOC/AN 3(1,4) Seminar in Laboratory Analysis: The processing of archaeological finds from excavation through publication. May be repeated for credit.


ANT 4308 AS-SOC/AN 3(3,0) Gender Issues in Latin America: 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.

ANT 4352 AS-SOC/AN 3(3,0) African Societies and Cultures: PR: ANT 2000 or SYG 2000 or C.I. An anthropological survey of Africa exploring the social, cultural, and economic diversity of the continent over time.

ANT 4354 AS-SOC/AN 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.

ANT 4462 AS-SOC/AN 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.

ANT 4516 AS-SOC/AN 3(3,0) Human Biological Diversity: PR: ANT 2011 or BSC 2010C or C.I. Human biological variation and adaptation.

ANT 4521C AS-SOC/AN 3(3,0) Forensic Anthropology: PR: ANT 2511 or C.I. The study of human skeletal remains in relation to a legal context.


ANT 4528C AS-SOC/AN 5(3,3) Advanced Forensic Anthropology: PR: ANT 4521C. Advanced laboratory methods in forensic anthropology, including skeletal analysis and the application of anthropological techniques to the recovery of human remains.

ANT 4586 AS-SOC/AN 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.

ANT 4824 AS-SOC/AN 9(9,0) Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork.

APA 3471 BA-ACCT 3(3,0) Accounting for Engineers: PR: Not open to business majors. General Accounting principles and practice, cost accounting, budgeting, and control techniques. Not usable for BSBA degree credit.

ARA 1120 AS-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.

ARA 1120H AS-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.

ARA 1121 AS-LANG 4(4,1) Elementary Arabic Language and Civilization II: PR: ARA 1120 or C.I. Continuation of ARA 1120.


ARA 2200 AS-LANG 3(3,1) Intermediate Arabic Language and Civilization I: PR: ARA 1121 or C.I. Development of language skills and cultural knowledge at the intermediate level.

ARE 2011 ED-TLP 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. Materials & Supply fee: $5.00.

ARE 3944 AS-ART 2(2,3) Community Arts Practicum: PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings.

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.

ARE 4262 AS-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.

ARE 4313 ED-TLP 3(2,1) Art in the Elementary School: Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences.

ARE 4351 ED-TLP 3(2,1) Teaching Art in the Elementary School: PR: EDF 4214 and EDC 4333. Transition from university art studio practices to public school teaching of art. Organizing, design-
ing and analyzing art experiences, activities and class-
room environments for the elementary school classroom. 
Materials & Supply fee: $3.00

ARE 4352 ED-TLP 3(2,1)
Teaching Art in the Secondary School: PR: ARE 4143, 
EDF 4214, and EDG 4323. 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. Materials & 
Supply fee: $5.00

ARE 4356 ED-TLP 3(3,1)
Teaching Art Appreciation & Criticism in the 
Classroom: PR: ARH 2550 and ARH 2551. 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 set-
tings.

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.

ARE 4945 AS-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.

ARE 5251 ED-TLP 3(2,1)
Art for Exceptionalities: Concepts, principles, and meth-
ods of integrating art processes into the education of the 
physically, emotionally, and mentally handicapped.

ARE 5255 ED-TLP 3(2,1)
Arts in Recreation: Art activities and experiences appro-
priate for use in playground, leisure services, occupational 
orientation and other recreational areas.

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 uni-
versity art practices to public school teaching of art. 
Organize, design, and analyze art learning for students K-
12

ARE 5454 ED-TLP 3(3,0)
Studio Experiences in Art Education: PR: Gradate 
admission or C.I. Materials available for instruction in pub-
lic schools will be explored in depth in relation to their 
appropriateness and productive qualities. May be repeat-
ed for credit. Materials & Supply fee: $3.00

ARE 5648 ED-TLP 3(3,0)
Contemporary Visual Arts Education: PR: ARE 4443 or 
C.I. Continued study of current programs and innovations 
in public school Visual Arts Programs.

ARH 2050 AS-ART 3(3,0)
History of Western Art I: Painting, sculpture and archi-
tecture from the Prehistoric Era through the Renaissance.

ARH 2050H AS-ART 3(3,0)
Honors History of Western Art I: PR: Permission of Honors. 
Painting, sculpture and architecture from the Prehis-
toric Era through the Renaissance, with honors con-
tent.

ARH 2051 AS-ART 3(3,0)
History of Western Art II: Painting, sculpture and archi-
tecture from the Baroque through the 20th century.

ARH 2051H AS-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 con-
tent.

ARH 2500 AS-ART 3(3,0)
History of Non-Western Art: Major visual arts in various 
non-Western cultures.

ARH 3454 AS-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.

ARH 3471 AS-ART 3(3,0)
Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 
and C.I. A seminar for upper-level art students to examine 
current trends in the visual arts.

ARH 3520 AS-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.

ARH 3570 AS-ART 3(3,0)
Ceramics of the Muslim World: PR: ARH 2550 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.

ARH 3610 AS-ART 3(3,0)
American Art: PR: ARH 2050 and ARH 2051 or C.I. 
Surveys American Art to 1900. Leading artists are identi-
fied and representative examples of their work are dis-
cussed within the context of major themes, patterns, 
sources.

ARH 3632H AS-ART 3(3,0)
Honors: African American Arts Seminar: PR: 
Permission of Honors. An exploration of traditional, aca-
demic, and contemporary urban African American visual 
arts.

ARH 3670 AS-ART 3(3,0)
20th Century Latin American Art: PR: ARH 2050 and 
ARH 2051 or C.I. Art of the modern era (1820 to 1980) in 
the Caribbean and South America; issues and characteris-
tics of art as they reflect the cultural evolution of Latin 
America.

ARH 3673 AS-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 pro-
colonization to the 1980s.

ARH 3683 AS-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, tra-
dition, innovation, and its relationship to the so-called fine 
arts and popular arts.

ARH 3710 AS-ART 3(3,0)
History of Photography I: PR: Junior Standing or C.I. 
History of photography from its earliest inception to 
1900. The content of this course is designed for art majors.

ARH 3711 AS-ART 3(3,0)
History of Photography II: PR: Junior Standing or C.I. 
History of still photography from the early 20th century to 
the present. The content of this course is designed for art 
majors.

ARH 3720 AS-ART 3(3,0)
History of Prints: PR: ARH 2050 and ARH 2051 or C.I. 
History of printmaking in the Western world, surveying 
works by the "great printmakers."

ARH 3820 AS-ART 3(3,0)
Visual Arts Administration Vitas: PR: Junior Standing or 
C.I. Grant applications; Personnel; copyright laws; muse-
um practices, etc.

ARH 4170 AS-ART 3(3,0)
Greek & Roman Art: PR: ARH 2550 or HUM 3431 and 
ENC 1102 or C.I. A study of the art and architecture of the 
ancient civilizations of the Mediterranean, comprising 
Greece, Eturia, and Rome.

ARH 4200 AS-ART 3(3,0)
Medieval Art: PR: ARH 2050 and ARH 2651. Medieval Art 
from the 6th through 14th centuries, including painting, 
architecture, sculpture and illuminated manuscripts.

ARH 4310 AS-ART 3(3,0)
Italian Renaissance Art: PR: ARH 2550 and ARH 2651. 
A survey of Italian Art and Architecture from 1300 to 
1500.

ARH 4350 AS-ART 3(3,0)
Baroque Art: PR: ARH 2050 and ARH 2551 or C.I. A study 
of European Art in the 17th and 18th centuries.

ARH 4430 AS-ART 3(3,0)
19th Century Art: PR: ARH 2050 and ARH 2551. A survey of 
the trends and developments in art during the 19th cen-
tury, including the art of America and of Western Europe.

ARH 4450 AS-ART 3(3,0)
20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A 
survey of the art from Fauvism, Expressionism, Cubism to the 
art of the present.

ARH 4545 AS-ART 3(3,0)
Art of India: PR: Junior Standing or C.I. Art and architec-
ture of India from prehistoric times through the Gupta, 
Rajput, and Muslim periods.

ARH 4655 AS-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-
Colombia, through the Spanish Colonial, to the 20th cen-
tury.

ARH 4800 AS-ART 3(3,0)
Theory and Criticism of the Visual Arts: PR: ARH 2550 
and ARH 2051 or C.I. A study of the role Aesthetics and Ideology have 
played in determining representations of women in art.

ARH 5897 AS-ART 3(3,0)
Advanced Seminar in Art History: PR: ARH 2050 and 
ARH 2051 or C.I. A seminar of women artists from ancient times 
to the present as well as a study of the role Aesthetics and Ideology have 
played in determining representations of women in art.

ARH 2130C AS-ART 3(3,0)
Fibers & Fabrics: Design and production training in sur-
face design, floor loom weaving and fiber sculpture. 
Materials & Supply fee: $5.00

ART 2160C ED-TLP 3(2,3)
Metals, Woods, Leathers and Stones: Processes and 
techniques of production.

ART 2201C AS-ART 3(2,4)
Priority given to students whose major requires this 
course. Materials, processes, form. Emphasis on two-
dimensional design problems, including problems in black and white and basic color theory. Materials & Supply fee: $15.00

ART 2201H AS-ART 3(2,4) Honors Design Fundamentals—Two Dimensional: PR: ART 2200. Priority given to students whose major requires this course. Permission of Honors. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content.

ART 2203C AS-ART 3(2,4) Design Fundamentals—Three Dimensional: PR: ART 2820 or C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. Materials & Supply fee: $15.00

ART 2300C AS-ART 3(2,4) Drawing Fundamentals I: PR: ART 2820 or C.I. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. Materials & Supply fee: $10.00

ART 2301C AS-ART 3(2,4) Drawing Fundamentals II: PR: ART 2300C and ART 2820 or C.I. Priority given to students whose major requires this course. Continuation of ART 2300C. Materials & Supply fee: $10.00

ART 2394 AS-ART 3(3,0) Drawing: Computer as a Medium: Object drawing, using the computer and drawing stylos as a medium.

ART 2400C AS-ART 3(2,4) Beginning Printmaking: Basic elements and techniques of printmaking covered. Relief, intaglio, and lithography. Assignments include practical application of printmaking as drawing tool.

ART 2500C AS-ART 3(2,4) Beginning Painting: PR: ART 2300C, ART 2201C, or C.I. Methods and materials of the painter. Introduction to the problems in painting. Materials & Supply fee: $15.00

ART 2701C AS-ART 3(2,4) Sculpture: PR: Three semester hours in three-dimension- al work, ART 2201C, ART 2203C, ART 2300C, ART 2301C. Materials & Supply fee: $20.00

ART 2754C AS-ART 3(2,4) Beginning Ceramics: PR: ART 2201C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. Materials & Supply fee: $35.00

ART 2820 AS-ART 3(3,0) Art as Interface: An overview of art department specializa- tions, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community.

ART 2820H AS-ART 3(3,0) Honors Art as Interface: PR: Consent of Honors. An overview of Art department specializations, and selected historical and theoretical information influencing the art curriculum. Aesthetic characteristics shared among the disciplines and their use by the profession. With Honors content.

ART 3161 AS-ART 3(3,0) Mixed Media: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Concepts and techniques involving the creation of art objects by integrating painting, sculpture, drawing, design, and art history.


ART 3433C AS-ART 3(2,4) Screenprinting: PR: ART 2201C, ART 2300C, ART 2400C. Techniques of waterbase screenprinting, including digital/photo processes and practical applications of screenprinting as a means for image making.

ART 3504C AS-ART 3(2,4) Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Reinforces and extends methods and materials content of ART 2500C, and deals with issues of figurative painting. Materials & Supply fee: $15.00

ART 3616C AS-ART 3(3,0) Animation Production Methods: PR: ART 2201C, ART 2300C, ART 2301C, C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Materials & Supply fee: $15.00

ART 3618C AS-ART 3(3,0) Post-Production Design: PR: Accepted into Animation program. Special effects and compositing for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software.

ART 3643C AS-ART 3(3,0) Digital Effects & Compositing: 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.


ART 3764C AS-ART 3(2,4) Ceramic Handbuilding I: PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process Materials & Supply fee: $35.00

ART 3833C AS-ART 3(4,2) Processes and Ideas in Art: PR: Junior Standing. This course emphasizes the development of individual creativitv and the generation of new insights concerning artistic expression. These "formative activities" must be manifested by students in the form of small sculptures and/or other new forms of creativity.

ART 3950 AS-ART 0(0,0) Portfolio Review: PR: C.I. Review of relevant artistic works in a student's portfolio. Graded S/U.

ART 4132C AS-ART 3(2,4) Advanced Fiber And Fabrics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3760C, and a satisfactory portfolio review or C.I. Textile design and production, including non-loom weaving processes. May be repeated for credit. Materials & Supply fee: $5.00

ART 4173 AS-ART 3(3,0) The Artist Book: PR: ART 2201C and ART 2033. 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. Materials & Supply fee: $25.00

ART 4226C AS-ART 3(3,3) Post Production for Animators: PR: FIL 3287C. Concepts and tools for finishing computer and traditional animations on film and video. Emphasis on composing tools to combine elements in a finished animation.

ART 4320C AS-ART 3(2,4) Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3322C. May be repeated for credit.

ART 4402C AS-ART 3(2,4) Advanced Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Materials & Supply fee: $30.00

ART 4505C AS-ART 3(2,4) Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3504C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Materials & Supply fee: $15.00

ART 4634C AS-ART 3(3,1) Web Art: PR: ART 2820 or C.I. The Web as a medium for art.

ART 4710C AS-ART 3(2,4) Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and a satisfactory portfolio review or C.I. May be repeated for credit. Materials & Supply fee: $30.00

ART 4765C AS-ART 3(2,4) Ceramic Handbuilding II: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. Materials & Supply fee: $35.00


ART 4783C AS-ART 3(2,4) Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3760C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. Materials & Supply fee: $34.99

ART 4786C AS-ART 3(2,4) Ceramic Raw Material: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3760C, and a satisfactory portfolio review or C.I. An in-depth understanding of the singular and diverse properties of clay and glaze materials. Materials & Supply fee: $35.00

ART 4935 AS-ART 3(3,1) BFA Exhibit/Seminar: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, must complete Studio course for B.F.A. and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition Materials & Supply fee: $15.00

ART 4945 AS-ART 6(0,6) C.R.E.A.T. Project: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, FIL 4288C, 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


ART 5109C AS-ART 3(2,4) Multi-Cultural Crafts Design: PR: ART 2201C, ART
203C, ART 200C, ART 203C, 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.

ART 5290C AS-ART 3(3,3)
Serial Content & Classic Form I: PR: Admission to MFA. Studio course exploring serial imaging history, projectography, alphabet development, typographic design, and the computer as sequenced design concepts and tools.

ART 5284 AS-ART 3(3,0)
Design Theory and Methods: PR: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric.

ART 5670C AS-ART 3(2,4)
Digital Illustration: CR: ART 5680C. Methods and media effects usually associated with traditional illustration in a digital platform.

ART 5694 AS-ART 3(3,0)
Crosscultural Electronic Art & Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the "arts electronica" into the present.

ART 5695 AS-ART 3(3,0)
WebArt I: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester.

ART 5696 AS-ART 3(3,0)
Art, Design and Human Interactions: PR: Admission to MFA. Exploration and design of interface interactions systems and technologies in contemporary society and culture including place making, way finding, electronic interface design, and publication design.

ART 5698 AS-ART 3(3,0)
Concourse I: PR: ART 5910 and ART 5280C and ART 5694, or C.I. Digital reproduction of studio works.

ART 5811C AS-ART 3(3,1)
The Professional Practice of Art: PR: ART 2201C, ART 2003C, ART 3200C, ART 3201C (no grade 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 Materials & Supply fee: $15.00

ART 5910 AS-ART 3(3,0)
Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss 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)

ART 5934 AS-ART 3(3,0)
Concepts of Contemporary Art: PR: Graduate standing or C.I. Current issues in contemporary international art. Graded SU.

ART 5941 AS-ART 1(1,0)
Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization.

ASH 3222 AS-HIST 3(3,0)
Islam and Its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century.
BOT 4303C AS-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. Materials & Supply fee: $40.00

BOT 4503 AS-BIOL 3(0,0) Plant Physiology: PR: PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment.

BOT 4503L AS-BIOL 1(0,3) Plant Physiology laboratory: CR: BOT 4503. The laboratory to accompany BOT 4503. Materials & Supply fee: $15.00

BOT 4686C AS-BIOL 4(3,3) Conservation and Management of Native Plants: PR: BOT 4713C, PCB 3044 and/or BOT 4503C or C.I. Systematic classification and identification of vascular plants, with emphasis on the flora of peninsular Florida. Materials & Supply fee: $45.00

BOT 5485C AS-BIOL 3(2,3) Terrestrial Cryptogams: PR: BOT 4030C, 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. Materials & Supply fee: $15.00

BSC 1005 AS-BIOL 3(0,0) Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors.

BSC 1005H AS-BIOL 3(0,0) Biological Principles-Honors: PR: Permission of Honors. Biological factors that affect dependence on the environment; the role of human population preserving ecological integrity.

BSC 1005L AS-BIOL 1(0,2) Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Materials & Supply fee: $15.00

BSC 1050 AS-BIOL 3(0,0) 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.


BSC 1050L AS-BIOL 1(0,2) Biology and Environment Laboratory: CR: BSC 1050. The laboratory to accompany BSC 1050. Materials & Supply fee: $15.00

BSC 2010C AS-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. Materials & Supply fee: $15.00


BSC 2011C AS-BIOL 4(3,3) Biology II: PR: BSC 2010H 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. Materials & Supply fee: $20.00

BSC 2011H AS-BIOL 4(2,6) Honors Biodiversity: PR: Permission of Honors and BSC 2010H or C.I. BSC 2011C for honors students; enhanced by considerable field work, a CD-ROM "text," relevant video programs and readings written by authorities in the field.

BSC 2420 HPA-M&M 3(3,0) Principles of Biotechnology: Principles, applications, laws, ethics and impact on society of biotechnology in agriculture, medicine, forestry, environment, computers/industrial/chemical engineering and business management.

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. Materials & Supply 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 credit.

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.

BSC 3949 AS-BIOL 0(0,8) Cooperative Education in Biology: PR: Departmental permission required before registering. Cooperative education experience in biology. May be repeated. Graded SU.

BSC 4101 AS-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.

BSC 4312C AS-BIOL 4(3,3) Marine Biology: PR: PCB 3044 and STA 2023. The biological, ecological, physical and chemical aspects of the world's oceans. Materials & Supply fee: $45.00

BSC 4422L AS-BIOL 1.4-(0,3-12) Biology Laboratory Techniques: PR: PCB 3044, CHM 2210, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical Biology laboratories. May be repeated for credit, up to a maximum of 4 credits total. Graded SU.

BSC 4937 AS-BIOL 2(0,2) Instructional Experiences in Undergraduate Biology: PR: PCB 3063, Biology major with 80 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in variety of university biology labs. May be repeated for credit. Graded SU.

BSC 5408L AS-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. Materials & Supply fee: $15.00

BSC 5817 AS-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.

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.

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 consideration.

BUL 3130H BA-ACCT 3(3,0) Legal & Ethical Environment of Business - Honors: PR: Junior standing and business major or minor, or senior or C.I. An overview and examination of business curriculum and methodology integrated into the vocational frameworks. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content.

BUL 3320 BA-ACCT 3(3,0) Business Law I: PR: Junior Standing, Management major or minor, or senior or C.I. Introduction to law; a social and political institution in the business environment. Analysis of statutory and common law principles involved in the formation, operation, and termination of recognized business organizations. Analysis of the effects of government regulation on business activity, including anti-trust and securities regulation.

BUL 3321 BA-ACCT 3(3,0) Business Law II: PR: Junior standing, Management major or minor, or senior 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.


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, secured transactions and suretyship, contracts, wills and trusts, and property law.

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
UCF Courses and Descriptions

and regulation on business activity, and the role of law and ethics in the decision-making process.

CAP 4453
Robot Vision: PR: COP 3530C and MAC 2122, or C.I. Pin hole camera and eye, perspective and orthographic projections, the processing of edges, regions, motion, shading, texture, object; robot arm usage.

CAP 4630

CAP 4720
Computer Graphics: PR: COP 3530C and MAC 2147, or C.I. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API.

CAP 5015
Multimedia Compression on the Internet: PR: seniors and graduate students with interest in internet technology. Multimedia data; internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model based compression.

CAP 5419

CAP 5512
Evolutionary Computation: This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms.

CAP 5610

CAP 5636

CAP 5725
Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphic systems.

CBH 3003
Comparative Psychology: PR: PSY 2012. A study of comparative behaviors of lower animals.

CCE 4003

CCE 4004
Construction Methods: PR: CES 4100C. Construction project evaluation principles along with construction methods for civil and structural systems.

CCE 4031
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.

CCE 4034
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.

CCE 4402
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.

CCE 4810C
Construction Design Project: PR: Senior Standing, CCE 4034, and CCE 4004. The proposal and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, and control.

CCE 4813

CCE 5006
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 schedule drawing and specifications. Research paper required.

CCE 5036
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.

CCE 5205
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.

CCE 5406
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.

CCE 5815
Mechanical and Electrical Systems for Buildings: PR: C.I. This course covers the design and construction of mechanical and electrical systems for buildings Research paper required.

CCJ 3058
Origins of Criminal Justice: PR: CCJ 3204. Study of criminal justice system evolution. Focus on developments contributing to the institutions and practices of the American criminal justice system.

CCJ 3450
The Criminal Justice Manager: PR: CCJ 3204 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership.

CCJ 3451
Justice System Technology: PR: CCJ 3204 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems.

CCJ 3483
Labor Relations in Criminal Justice: PR: CCJ 3204 and CCJ 3450 or C.I. Examines the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws.

CCJ 3520H
Honors Juvenile Offenders: An Integrative Perspective: PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders.

CCJ 3667
Crime Analysis II: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system.

CCJ 4076
Crime Analysis II: PR: CJE 4654, CJF 4663. Designed to provide advanced data analysis skills that will enable a crime analysis sophisticated methodologies to crime analysis.

CCJ 4195
Interviews & Interrogations in CJ: PR: CCJ 3204 (Criminal Justice System) and CJ Major or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence.

CCJ 4296
Criminal & Civil Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900.

CCJ 4361
Death Penalty: PR: CCJ 3204. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system.

CCJ 4454
Policy Development in Law Enforcement: PR: CJ 4024. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed.
UCF Courses and Descriptions


CEG 4801C ECS-CEE 3(2,2) Geotechnical Engineering Design: PR: CEG 4101C. Project course on design of foundations and other soil structures using geotechnical design methodologies. Materials & Supply fee: $15.00

CEG 4812 ECS-CEE 1(1,0) Historical Developments in Civil Engineering: Seminar covering major historical developments in civil engineering.

CEG 5015 ECS-CEE 3(3,0) Geotechnical Engineering II: PR: CEG 4101C. Continuation of CEG 4101C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability.

CEG 5700 ECS-CEE 3(3,0) Geo-Environmental Engineering: 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.

CEN 4020 ECS-CS 3(3,0) Component-based Engineering Software: PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and reusable software in different component levels.

CEN 5016 ECS-CS 3(3,0) Software Engineering: PR: COP 4232. Study and application of formal software development processes and documentation standards for large scale software systems. A team project is required.

CES 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.

CET 4101 ECS-CEE 3(3,0) Structural Analysis II: PR: CES 4100C. Special structures: introduction to matrix structural analysis, dynamic loads including wind and earthquake.

CET 4605 ECS-CEE 3(3,0) Steel Structures: PR: CES 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.

CET 4605C ECS-CEE 3(2,2) Steel Design: PR: CET 4605. Project course on design of steel components, connections, and frame structures using AISC specifications. Materials & Supply fee: $15.00

CET 4702 ECS-CEE 3(3,0) Reinforced Concrete Structures: PR: CES 4100C or C.I. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames.

CET 4709C ECS-CEE 3(2,2) Concrete Design: PR: CET 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. Materials & Supply fee: $15.00

CET 5325 ECS-CEE 3(3,0) Bridge Engineering: PR: CES 4605; CES 4702. Structural systems for bridges, loading, analysis by influence lines, slab and girder bridges, composite design, pre-stressed concrete, rating of existing bridges, specifications and economic factors.

CET 5606 ECS-CEE 3(3,0) Advanced Steel Structures: PR: CES 4605. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns.

CET 5706 ECS-CEE 3(3,0) Advanced Reinforced Concrete: PR: CES 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 pre-stressed concrete.

CET 5821 ECS-CEE 3(3,0) Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear.

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. Materials & Supply 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.

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.

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. Materials & Supply 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 Materials & Supply 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.

CET 3383 ECS-ENT 3(3,0) Applied Systems Analysis I: PR: CET 2364 or equivalent. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. May be repeated for credit.

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.

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.

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, telemanagement, telephony connectivity and services of telephony.

CET 4134C ECS-ENT 3(2,4) Microprocessor Electronics II: PR: Digital Circuits 1 and CET 2123C. The MC68000 Software architecture programming and hardware architecture are covered in great detail. Assembly language programming interfacing and hardware characteristics as well as applications are covered. Materials & Supply fee: $45.00

CET 4138C ECS-ENT 3(3,2) Digital Programmable Devices: PR: CET 3188C or equivalent and C.I. Architecture and applications of various types of programmable logic devices. Design entry methods, e.g. HDL, schematic capture, etc. Lab exercises using PALs, PLDs, and FPGA's.

CET 4333 ECS-ENT 3(3,0) Computer Organization and Design: PR: CET 3223C. Basic computer architecture and system design. An introduction to memory, processor, Bus and I/O organization.


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.

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.

CET 4469C ECS-ENT 3(2,2) Applied Infobases: PR: EET 3161, CET 3144C, CET 3503 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. Intranet applications.

CET 4483 ECS-ENT 3(3,0) Intro to Local Area Network Technology: PR: EET 3065C or equivalent or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. May be repeated for credit.

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.

CET 4523 ECS-ENT 3(3,0) Applied System Analysis I: PR: CET 3188. Continuation of CET 3383, with emphasis on distributed processing which includes the interfacing of minis, mainframes, software, communications, and data base technology into a responsive information system.
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

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


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.

CET 4748  ECS-ENT  3(3,0)  Wide Area Networks I: PR: CET 3752 or CET 4485, or C.I. Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results.


CET 4884  ECS-ENT  3(3,0)  Security Methods and Practice: PR: CET 4663, CET 4483 or C.I. Computer networks, secure telecommunications networks, disaster recovery, and the legal issues of security practices.

CET 4885  ECS-ENT  3(3,0)  Investigative Digital Technology: PR: CET 4884. Security administration including vulnerability analysis, procedures and tools for security assessment.

CET 4889  ECS-ENT  3(3,0)  Security Sensor Technology and Biometrics: PR: CET 4663 or C.I. Biometric identification. Techniques for extracting trait information for individual identification. Topics include multimodal biometrics, performance evaluation, biometric templates and privacy.

CET 4915C  ECS-ENT  3(1,4)  Senior Design Project: PR: Computer, Electronics, or Information Systems Engineering Technology senior with in 18 semester hours of graduation. Supervised individual or group projects involving project definition, planning, design, development, testing and evaluation. Progress reports and final report are required.

CET 4931  ECS-ENT  3(3,0)  Current Topics in Technology: PR: C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication.

CGN 3501C  ECS-CE  3(2,3)  Civil Engineering Materials: PR: C.I. The characterization of materials used in civil engineering works to include concrete, soils, bituminous, polymers and composite materials.

CGN 4300  ECS-CE  3(3,0)  Civil Engineering Systems: PR: EGN 3613; MAC 2313; STA 3032. Mathematical techniques commonly associated with operations research and economics which are applicable to the planning, design, and operation of civil engineering systems.

CGN 4600  ECS-CE  3(3,0)  Public Works Engineering: PR: ENV 3001 and CWR 3201. An overview of planning, design, operation and maintenance of public works, with emphasis on water and wastewater treatment plants. May be repeated for credit.

CGN 4808C  ECS-CE  3(2,2)  Civil Engineering Capstone Design: PR: one of the following courses - TSE 4601C, CES 4608C, CES 4709C, CWR 4612C, ENV 4620C, CEG 4801C, or CES 4608C. An interdisciplinary capstone design course requiring project definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design.

CGN 5320C  ECS-CE  3(2,2)  Geographic Information Systems: Programming theory and application of Geographic Information Systems to Civil Engineering projects.

CGN 5504C  ECS-CE  3(2,2)  Civil Engineering Materials: PR: EGN 3655, EGN 3331, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials.

CGN 5506C  ECS-CE  3(2,2)  Asphalt Concrete Mix Design: PR: CEG 4101C. Properties of asphalt, aggregate and asphalt mixtures, Marshall mix design, Hveem mix design, pavement rehabilitation.

CGS 1060C  ECS-CE  3(2,2)  Introduction to Computer Science: History, typical computer, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Materials & Supply fee: $15.00

CGS 1060H  ECS-CE  3(2,2)  Honors Introduction to Computer Science: PR: Permission of Honors. History, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Materials & Supply fee: $15.00


CGS 2515  ECS-CE  3(3,0)  Spreadsheet Concepts: PR: CGS 1060C. Advanced techniques of spreadsheets, charts, macros, objects, database features and data analysis tools.


CGS 2585C  ECS-CE  3(2,1)  Desktop Internet Publishing: PR: CGS 1060C or equivalent. Principles and techniques of page layout and formatting for documents and newsletters, presentation techniques, construction of web pages and design of integrated websites.

CGS 3175  ECS--CS  3(3,0)  Internet Applications: PR: CGS 1060C. HTML coding, using images, sound and animation, advanced text formatting, forms and CGS scripts, introduction to javascript.


CGS 3763  ECS-CS  3(3,0)  Operating System Concepts: PR: CGS 1060C. System calls, concept of processes, CPU scheduling, security issues, client server paradigms, and computer supported workgroups.


C.I. The characteriza- tion of materials used in civil engineering works to include concrete, soils, bituminous, polymers and composite materials.

C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication.

C.I. Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results.

C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication texts.

C.I. Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results.

C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication.

C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication.

C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication.

C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication.

C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication.

C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication.

C.I. Study of recent state-of-the-art computer related topics from recognized electronics and computer oriented technical journals and texts. Requires written and verbal communication.
CHM 2045H AS-CHEM 4(3,3) Honors Chemistry Fundamentals I: PR: High school chemistry and permission of Honors. Same as CHM 2045 with honors-level content. Materials & Supply fee: $25.00

CHM 2046 AS-CHEM 3(3,0) Chemistry Fundamentals II: PR: "C" grade or better in CHM 2045. Continuation of CHM 2045.

CHM 2046H AS-CHEM 3(3,0) Honors Chemistry Fundamentals II: PR: CHM 2045H and permission of Honors. Same as CHM 2046 with honors-level content.

CHM 2046L AS-CHEM 1(0,3) Honors Chemistry Fundamentals Lab: PR: CHM 2045H and CR: CHM 2046H. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry with honors-level content. Materials & Supply fee: $35.00

CHM 2200 AS-CHEM 5(5,0) Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids.


CHM 2211 AS-CHEM 3(3,0) Organic Chemistry II: PR: CHM 2210. Continuation of CHM 2210.

CHM 2211L AS-CHEM 2(0,6) Organic Laboratory Techniques I: PR: CHM 2210. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. Materials & Supply fee: $45.00

CHM 3120C AS-CHEM 5(3,6) Analytical Chemistry: PR: CHM 2046, CHM 2046L. Laboratory practices of classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Materials & Supply fee: $25.00

CHM 3212L AS-CHEM 2(0,6) Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. Open-end laboratory to develop synthesis techniques and structure elucidation skills. Materials & Supply fee: $45.00


CHM 3411 AS-CHEM 3(3,0) Physical Chemistry II: PR: CHM 3410. Continuation of CHM 3410.

CHM 3411L AS-CHEM 2(0,6) Physical Chemistry Laboratory: PR: CHM 3120C and CR: CHM 3411. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Materials & Supply fee: $41.00

CHM 3422 AS-CHEM 3(3,0) Applied Physical Chemistry: PR: PHY 2049 and PHY 2049L and MAC 2312. Physical chemistry as applied to the study of biological and forensic science.

CHM 4130C AS-CHEM 4(2,6) Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3120C and CHM 3411. A lecture-laboratory course designed to give in-depth coverage to modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Materials & Supply fee: $25.00

CHM 4220 AS-CHEM 3(3,0) Organic Chemistry III: PR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry.

CHM 4610 AS-CHEM 3(3,0) Inorganic Chemistry: PR: CHM 3411. A discussion of descriptive inorganic chemistry based on various bonding theories, thermodynamics, and kinetics.

CHM 4610L AS-CHEM 2(0,6) Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Materials & Supply fee: $25.00

CHM 4914C AS-CHEM 1(1,1) Undergraduate Research Methods: PR: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories.

CHM 4930 AS-CHEM 1(1,0) Undergraduate Chemistry Seminar: PR: CHM 3411 and CHM 4914C. A topic of current chemical interest will be presented by students at a regularly scheduled departmental seminar.

CHM 5225 AS-CHEM 3(3,0) Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics.

CHM 5235 AS-CHEM 3(3,0) Applied Molecular Spectroscopy: PR: CHM 3120C and CHM 2211, and graduate status or senior standing or C.I. Identification of chemical structure through interpretation of UV, IR, NMR and Mass Spectra.

CHM 5305 AS-CHEM 3(0,3) Physical Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry.

CHM 5450 AS-CHEM 3(3,0) Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthesis methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered.

CHM 5451C AS-CHEM 3(1,5) Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Materials & Supply fee: $45.00

CHM 5580 AS-CHEM 3(3,0) Advanced Physical Chemistry: CR: CHM 3411 and PHY 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure.

CHM 5715C AS-CHEM 3(2,3) Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polycrystics materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships.

CHS 1440 AS-CHEM 4(3,1) Fundamentals of Chemistry for Engineers: PR: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibria, electrochemistry and thermodynamics. The "NC" grading policy applies to this course.

CHS 3501 AS-CHEM 3(3,0) Introduction to Forensic Science: PR: "C" grade or better in CHM 2046 & L or C.I. Intended for majors and non-majors to provide an overview of the specialty areas in Criminalistics (crime lab).

CHS 3505C AS-CHEM 4(2,6) Forensic Microscopy: PR: "C" grade or better in CHM 2046 & L, PHY 2049C and CHS 3501. An introduction to the use of the polarized light microscope and its use in the identification and comparison of trace evidence. Materials & Supply fee: $45.00

CHS 3511C AS-CHEM 4(2,6) Trace Evidence: PR: "C" grade or better in CHS 3505C. An advanced study of the techniques used to identify and compare trace evidence. Materials & Supply fee: $45.00

CHS 3514C AS-CHEM 3(2,3) Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bombing crime scene. May be repeated for credit.

CHS 3530C AS-CHEM 4(2,6) Forensic Analysis of Controlled Substances: PR: "C" grade or better in CHM 3120C, CHM 3410, CHM 2211 L and CHS 3905C. The study of the presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Materials & Supply fee: $45.00

CHS 3533C AS-CHEM 3(2,3) Forensic Biochemistry: PR: "C" or better in BSC 2010C, PCB 3063 L, and PCB 3233 L. Introduction to the concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Materials & Supply fee: $30.00

CHS 3540C AS-CHEM 2(1,3) Fire and Debris Analysis: PR: CHM 3120C and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence.

CHS 3595 AS-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.

CHS 3949 AS-CHEM 0(0,8) Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. May be repeated. Graded S/U.
CHS 4200 AS-CHEM 3(3,0)
The Forensic Expert in the Courtroom: PR: CHS 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technical and scientifically trained expert witnesses at trial.

CJT 3803 HPA-CJ/LS 3(3,0)
Security Management: PR: CJ 3024. Examination of a global security management environment impacted by downsizing and changing world events, including the use of modern computer security systems.

CJE 4544 HPA-CJ/LS 3(3,0)

CJE 4596 AS-CHEM 3(3,0)
The Forensic Science Internship: PR: Senior standing, with a GPA of 3.0 or better in CHS 215, CHS 216, and CHS 217. This course will involve the practice of forensic science in a real-world setting.

CJC 3101 HPA-CJ/LS 3(3,0)
The Corrections and Penology: PR: CCJ 3014. An introduction to the field of corrections and penology, including the history and development of correctional systems in the United States.

CJC 3516 HPA-CJ/LS 3(3,0)
Correctional Interventions in Criminal Justice: PR: CCJ 3014. An introduction to the field of corrections and penology, including the history and development of correctional systems in the United States.

CJC 4410 HPA-CJ/LS 3(3,0)
Community-Based Corrections: PR: CCJ 3024 and CJC 3016 or C.I. An overview of community-based correctional programs and their impact on society.

CJE 4663 HPA-CJ/LS 3(3,0)
Crime Analysis: 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.
Clinical assessment, and various approaches to individual
overview of approaches to psychopathology, methods of
including forensic evaluation of competency/insanity, treat-
ment, and criminal profiling.

CLP 4402C AS-PSYCH 3(2,2)
Physiological aspects of physical disability and rehabilita-
tion. Psychological adjustment, body-mind relationships,
family and societal dynamics relative to therapeutic inter-
vention.

CLP 5166 AS-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 disor-
ders. Review of theories and research in the field.

Lecture/Laboratory.

CLP 5187 AS-PSYCH 3(3,0)
Mental Health and Aging: PR: Graduate status or senior
standing or C.I. Introduction to assessment and interven-
tion issues, practice and research related to problems with
cognitive and emotional functioning among older adults.
May be repeated for credit.

CMC 4240 AS-R/TV 3(1,2)
Corporate/Institutional Video: PR: RTV 3200, RTV
3280C (RTV 3260 may be taken concurrently).
Preparation of non-broadcast corporate/institutional video
programs including planning, budgeting, production, and
evaluation.

COM 1000 AS-COMM 3(3,0)
Communication: Basic factors affecting human interac-
tion through communication, theories and models of com-
munication.

COM 2347C AS-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 SU.

COM 3011C AS-COMM 3(1,2)
Communication and Human Relations: PR: or CR:
COM 3311. Semantics; symbols and meaning and their
relationship with human behavior.

COM 3013 AS-COMM 3(3,0)
Communication and the Family: PR: SPC 1600. The
ways members of a family unit interact verbally and non-
verbally to influence one another.

COM 3110 AS-COMM 3(3,0)
Business and Professional Communication: PR:
Majors only, SPC 1600 or C.I. Theoretical and practical
training in effective presentation-speech for business and
professions.

COM 3110H AS-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 presentation-
ally speaking for business and professions. With Honors
content.

COM 3120 AS-COMM 3(3,0)
Organizational Communication: PR: COM 3311. A study
of communication functions and problems within the con-
texts of hierarchies.

COM 3311 AS-COMM 3(3,0)
Communication Research Methods: PR: STA 2014C.
Research methods used in communication.
Understanding and interpretation of original research
emphasized.

COM 3330 AS-COMM 3(3,0)
Computer Mediated Communication: PR: CGS 1060C.
Communicating through computers. The foundations and
applications of online and interactive multimedia applica-
tions, including trends and limitations.
Computer Science I: Object oriented design, data structures, traversal algorithms and program correctness.

COP 3530C  ECS-CS  3(3,0)
Computer Science II: PR: COP 3960 Foundation Exam. Algorithm design and analysis for tree, list, set, relational and graph data models; effects of representation on algorithmic complexity. Introduction to parallel implementations.

COP 4020  ECS-CS  3(3,0)
Programming Languages I: PR: COP 3530C. Survey of programming languages (LISP, MODULA, SIMULA, SMALLTALK, ADA, CLU). Basic concepts underlying programming languages: data typing, data abstraction, binding, parameter evaluation, concurrency, functional programming.

COP 4020H  ECS-CS  3(3,0)
Honors Programming Languages I: PR: Consent of Honors and COP 3530C. Deeper understanding of the paradigms and fundamental concepts of programming languages, such as scope, binding, abstraction, encapsulation, typing, etc. Object-oriented, functional and logic programming paradigms will be introduced through programming languages. With Honors content.

COP 4232  ECS-CS  3(3,0)
Software Systems Development: PR: COP 3960 (Foundation Exam) and COP 3530C. The principles, processes and methods for developing large software systems in object-oriented programming languages, such as Ada and C++.

COP 4516C  ECS-CS  3(1,3)
Problem Solving Techniques and Team Dynamics: PR: COP 3530C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format.

COP 4520  ECS-CS  3(3,0)
Concepts of Parallel and Distributed Processing: PR: COP 3530C, COP 3402C. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms.

COP 4521  ECS-CS  3(3,0)
Projects in Parallel and Distribution Processing: PR: COP 4520. Research and projects related to emerging architectures, computational models, languages and environments for parallel and distributed computation.

COP 4600  ECS-CS  3(3,0)
Operating Systems: PR: COP 3402C and COP 3530C. The function and organization of operating systems, process management, virtual memory, file management.

COP 4600H  ECS-CS  3(3,0)
Honors Operating Systems: PR:Permission of Honors and COP 3402C and COP 3530C. Same as COP 4600 with Honors level content.

COP 4610L  ECS-CEE  3(0,3)
Operating Systems Laboratory: PR: COP 3530C. CR: EEL 4882. 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.

COP 4710  ECS-CS  3(3,0)
Database Systems: PR: COP 3530C. Storage and access structures, data models and languages, related database design, and implementation techniques for database management systems.

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.

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.

COP 5611  ECS-CS  3(3,0)

COP 5711  ECS-CS  3(3,0)
Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems.

COT 3100C  ECS-CS  3(3,1)

COT 3100H  ECS-CS  3(3,0)
Honors Introduction to Discrete Structures: PR: Permission of Honors and MAC 1105, MAC 1114. Logic, sets, functions, relations, combinatorics, graphs, Boolean algebras, finite-state machines, Turing machines, unsolvability, computational complexity.

COT 3960  ECS-CS  0(1,0)
CS Foundation Exam: PR: COP 3502C AND COP 3100C. Foundation examination for computer science majors. Required before taking COP 3530C, and COP 3402C and other 4000 level courses. Graded S/U.

COT 4110  ECS-CS  3(3,0)

COT 4210  ECS-CS  3(3,0)
Discrete Computational Structures: PR: COP 3530C. Introduction to computation theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages.

COT 4500  ECS-CS  3(3,0)

COT 4810  ECS-CS  3(3,0)
Topics in Computer Science: PR: COP 3530C AND COP 3402C. A range of topics from the field of Computer science: application of oral and written communication skills; social, ethical and moral issues of computing.

COT 5310  ECS-CS  3(3,0)
Formal Languages and Automata Theory: PR: COP 4020 and COP 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(K) grammars.

COT 5405  ECS-CS  3(3,0)

COT 5507  ECS-CS  3(3,0)
Computational Methods/Applications: PR: COP 4500. Computational solution techniques for algebraic equations, ODE and PDE Models of applications selected from science, engineering, applied mathematics, and computer science.

COT 5510  ECS-CS  3(3,0)
Computational Methods/Linear Systems: PR: COP 4500 and MAS 3306. Mathematical models for linear systems, linear programming, the simplex method, integer and mixed-integer programming, introduction to nonlinear optimization and linearization.

COT 5520  ECS-CS  3(3,0)
Computational Geometry: PR: COP 5405. Geometric searching, point location, convex hulls, proximity problems, Voronoi diagrams, spanning trees, triangulation, intersection arrangement applications.

CPT 3034  AS-POLS  3(3,0)
Politics of Developing Areas: Comparative analysis of theories, problems and politics of development in Third World nations.

CPT 3103  AS-POLS  3(3,0)
Comparative Politics: PR: POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions.

CPT 3104  AS-POLS  3(3,0)
Politics of Western Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era.

CPT 3132  AS-POLS  3(3,0)
Canadian Studies: A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy.

CPT 3403  AS-POLS  3(3,0)
Politics of the Middle East: PR: POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions.

CPT 3403H  AS-POLS  3(3,0)
Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content

CPT 3614  AS-POLS  3(3,0)
Politics of Eastern Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era.

CPT 4062  AS-POLS  3(3,0)
Comparative Judicial Process: Study of courts and judges in cross national context. Focus upon judicial recruitment, decisional patterns, and policy outcomes.

CPT 4074  AS-POLS  3(3,0)
Political Economy: PR: Junior standing or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries.

CPT 4101  AS-POLS  3(3,0)
Politics of the European Union: PR: POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective.
CPO 4123 AS-POLS 3(3,0) Government and Politics of Great Britain: A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain's foreign policy and European role will be discussed.

CPO 4303 AS-POLS 3(3,0) Comparative Latin American Politics: Comparative analysis of politics, society and culture in Latin America and selected countries of the region.

CPO 4445 AS-POLS 3(3,0) Comparative Political Parties: PR: POS 2041, and Junior standing or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective.

CPO 4553 AS-POLS 3(3,0) Politics of Japan: PR: POS 2041 or CPO 3103 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy.

CPO 4643 AS-POLS 3(3,0) Government and Politics of Russia: Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy.

CPO 4710 AS-POLS 3(3,0) Women in Comparative Politics: PR: Junior standing or C.I. A cross-national perspective on women and politics; how women behave politically in various political and economic contexts.

CPO 4754 AS-POLS 3(3,0) Comparative Political Institutions: PR: POS 2041, Jr. standing or C.I. The course analyzes major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary.

CPO 4784 AS-POLS 3(3,0) Political and Economic Inequality in Comparative Perspective: PR: POS 2041, Jr. standing or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions.

CPO 5334 AS-POLS 3(3,0) Contemporary Politics of the Mayan Region: PR: Graduate status or senior standing or C.I. Analysis of issues affecting all peoples living in the contemporary Mayan region of southern Mexico, Belize, Guatemala, and El Salvador.

CRW 2100 AS-ENG 3(3,0) Fiction Writing: PR: CRW 3013. English majors in creative writing specialize in fiction writing; advanced group analysis and criticism of work produced by individual students.

CRW 2300 AS-ENG 3(3,0) Theory and Practice of Poetry Writing: PR: CRW 3013, English or English Education major, Junior standing, or C.I. English majors in creative writing specialize in the theory and practice of verse; group analysis and criticism.

CRW 3010H AS-ENG 3(3,0) Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres with honors level content; practice and critique of original writing by peers and critical reading of established authors.

CRW 3013 AS-ENG 3(3,0) Creative Writing for English Majors: PR: ENC 1102 and English or English Education major, Junior standing, or C.I. Literary genres; practice and critique of peer writing, critical reading of established authors. Not open to students with credit in CRW 3XXX (Creative Writing for non-majors).

CRW 3120 AS-ENG 3(3,0) Fiction Writing Workshop: PR: ENC 1102 and (CRW 2100 or CRW 3013) and Junior standing. An intermediate level fiction writing workshop for English majors; group analysis and critique; close reading of contemporary fiction and fiction theory.

CRW 3211 AS-ENG 3(3,0) Creative Nonfiction Writing: PR: CRW 3013 and English or English Ed major or C.I. Writers present original nonfiction writing for class response and individual conferences. Close reading of key works of creative nonfiction with discussion of definitions of the genre.

CRW 3310 AS-ENG 3(3,0) Poetry Writing Workshop: PR: ENC 1102 and CRW 2300 or CRW 3013. An intermediate level poetry workshop for English majors. Group analysis and critique; close reading of contemporary poetry and poetic theory.


CRW 3540 AS-ENG 3(3,0) Literary Magazines: PR: CRW 3013. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature.

CRW 3610 AS-ENG 3(3,0) Writing Scripts: PR: CRW 3013 or C.I. Theory and practice of writing scripts for film and TV.


CRW 4122 AS-ENG 3(3,0) Advanced Fiction Writing Workshop: PR: CRW 3120. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. May be repeated once for credit.

CRW 4123 AS-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.

CRW 4224 AS-ENG 3(3,0) Advanced Nonfiction Workshop: PR: 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.

CRW 4300 AS-ENG 3(3,0) Advanced Poetry Writing Workshop: PR: 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.

CRW 4616 AS-ENG 3(3,0) Advanced Scriptwriting: PR: CRW 3610. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. May be repeated for credit.

CRW 5020 AS-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.

CRW 5130 AS-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.

CRW 5932 AS-ENG 3(2,1) Teaching Creative Writing: PR: Graduate status or senior standing or C.I. Creative writing practicum. May be repeated for credit.

CRW 5948C AS-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.

CWR 3201 AS-ENG 3(3,0) Engineering Fluid Mechanics: PR: MAP 2302; CR: EGN 3343. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow.

CWR 4203C AS-CSEE 3(3,0) Hydrology: PR: STA 3032; CWR 3201. Hydrological cycle, probabilistic forecasting, rainfall excess meteorology, groundwater, storm-water runoff, flood routing and design applications. Materials & Supply fee: $15.00

CWR 4812C AS-CSEE 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. Materials & Supply fee: $15.00

CWR 5125 AS-CSEE 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.

CWR 5205 AS-CSEE 3(3,0) Hydraulic Engineering: PR: CWR 4101C and CWR 4203C. Concepts of fluid mechanics and hydraulics applied to natural and man-made flow of intent to civil and environmental engineering.

CWR 5545 AS-CSEE 3(3,0) Water Resources Engineering: PR: CWR 4101C. CWR 4203C. Systems identification and solution to complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques.

DAA 2100C AS-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.

DAA 2101C AS-THEA 2(2,1) Modern Dance II: PR: DAA 2100C and DAA 2200C and Theatre major, Dance minor, or department consent. Intermediate exploration of form, style, and technique in creative movement, including practical class work and history lectures.
UCF Courses and Descriptions

DAA 2200C AS-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.

DAA 2201C AS-THEA 2(2,1)
Ballet II: PR: DAA 2200C and Theatre major, Dance minor, or department consent. Intermediate classical ballet technique, including principles, theory, and practice technique.

DAA 2393C AS-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.

DAA 2520C AS-THEA 2(2,1)
Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamentals of tap dance.

DAA 2521C AS-THEA 2(2,1)
Tap Dance II: PR: DAA 2520C and Theatre major, Dance minor, or department consent. Intermediate exploration of form, style, and technique of tap dance.

DAA 2540 AS-THEA 3(2,2)
Dance Technique I: PR: Or CR: THEA 200 or THEA 200 or department consent. The study and application of fundamental dance techniques as they relate to musical theatre dance styles.

DAA 2570C AS-THEA 2(2,1)
Jazz Dance I: PR: Theatre major, Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history.

DAA 2571C AS-THEA 2(2,1)
Jazz Dance II: PR: DAA 2570C and Theatre major, Dance minor, or department consent. Intermediate Jazz dance using theory and practice in jazz technique.

DAA 2610 AS-THEA 3(3,0)
Dance Improvisation/Composition I: PR: DAA 2100C, Theatre major, Dance minor, or department consent. Fundamental study and exploration of dance composition.

DAA 2640 AS-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.

DAA 3020C AS-THEA 2(2,1)
Modern Dance III: PR: DAA 2101 and Theatre major, Dance minor, or department consent. Advanced exploration of form, style, and technique in creative movement. May be repeated for credit.

DAA 3020C AS-THEA 2(2,1)
Ballet III: PR: DAA 2021C and Theatre major, Dance minor, or department consent. Advanced study of ballet technique, including principles, theory, and practice technique. May be repeated for credit.

DAA 3524C AS-THEA 2(2,1)
Tap Dance III: PR: DAA 2521C and Theatre major, Dance minor, or department consent. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit.

DAA 3645 AS-THEA 2(2,0)
Choreography Practicum: PR: DAA 2100C and Theatre major, Dance minor, or department consent. Student performance in a concert dance work. May be repeated for credit.

DAA 3680 AS-THEA 1(0,10)
Dance Performance: PR: DAA 2200C and Theatre major, Dance minor, or department consent. Student performance in a concert dance work. Students must be registered in a dance technique class. May be repeated for credit.

DAA 3370 ED-TLP 3(1,2)
Dance and Rhythms: The development of skill proficiency and instructional strategies in rhythms and dance techniques, and fundamental movement patterns for grades K-12.

DAN 2130 AS-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.

DEP 2004 AS-PSYCH 3(3,0)
Developmental Psychology: PR: PSY 201. The effects of genetic, psychological, maturational, and social factors on behavior throughout the life cycle.

DEP 3202 AS-PSYCH 3(3,0)
Psychology of Exceptional Children: PR: PSY 202. Psychological problems of exceptional children, including diagnosis, associated emotional problems, effects of institutionalization, special class placement, attitudes, and appropriate intervention methods.

DEP 3464 AS-PSYCH 3(3,0)
Psychology of Aging: PR: PSY 202. An examination of basic psychological processes related to the aging process, with emphasis on the applied implications of changes in perceptual-motor, social emotional and cognitive intellectual functioning.

DEP 5057 AS-PSYCH 3(3,0)
Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors.

DIG 2000 AS-DIG 3(3,0)
Introduction to Digital Media: CR: ENC 1101. The principles, development and prospects for Digital Media, with a focus on the Internet. Students learn to build Web pages as their principal expressive medium in the course. Extensive reading, Internet and library research, several short papers and a team project are required. This course serves as the gateway for the Digital Media program.

DIG 3001 AS-DIG 3(3,0)

DIG 3035L AS-DIG 1(0,3)
Digital Media Service I: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 3001. Participation 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 SU.

DIG 3135C AS-DIG 3(2,1)
Digital Imagery: PR: DIG 2000 and a minimum grade of "B" (3.0) or better in DIG 3001. Technical principles of digital photography and scanned image capture for use in video games, internet and interactive software. Project oriented.

DIG 3286C AS-DIG 3(3,0)
Assembling Digital Media: PR: DIG 2000 and a minimum grade of "B" (3.0) or better in DIG 3001. Assembly and editing of images and sounds for use in interactive media. Project oriented.

DIG 3355 AS-DIG 3(3,0)
Artificial Environments and Effects: PR: Grade of "A" in DIG 3485 and a minimum grade of "B" (3.0) or better in DIG 3001. Design, manipulation to convey a story, thought, and concept in visual media. New imagery in motion such as non-character entities, music videos, and scientific visualization.

DIG 3362 AS-DIG 3(3,0)
Artificial Characters: PR: Grade of "A" in DIG 3485 and a minimum grade of "B" (3.0) or better in DIG 3001. Processes, techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium.

DIG 3430 AS-DIG 3(3,0)
Visual Storytelling and Visual Development: PR: Grade of "A" in DIG 3485 and a minimum grade of "B" (3.0) or better in DIG 3001. Processes and techniques to transform story concepts into a producible visual experience.

DIG 3450C AS-DIG 3(3,0)
Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation.

DIG 3480C AS-DIG 4(2,2)
Computer as a Medium: PR: DIG 2000. Not for credit for those who have had ART 2300. Drawing of objects using the computer. Students will use a stylus with Painter, Photoshop and illustrator software to draw from still life arrangements.

DIG 3485 AS-DIG 3(3,0)
Visual Language of the Moving Image: PR: DIG 3001 or FIL 1007, and a minimum grade of "B" (3.0) or better in DIG 3001 and C.I. Digital Media, Film or Animation major. Conceptual structure and design of visual storytelling. Principles, mechanics, character development, personality of place, exaggeration and effects.

DIG 3524 AS-DIG 3(3,0)
The Production Process: PR: Grade of "A" in DIG 3485 and a minimum grade of "B" (3.0) or better in DIG 3001. Production in a visual medium from narrative idea to finished artifact.

DIG 3525 AS-DIG 3(3,0)
Digital Media Production I: PR: DIG 2000, GRA 2101C and a minimum grade of "B" (3.0) or better in DIG 3001. Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management.

DIG 3821 AS-DIG 3(3,0)
Creative Digital Problem Solving: PR: Minimum grade of "B" (3.0) or better in DIG 3001. Techniques for brainstorming to identify key problems and to discover creative solutions in the design of digital media and systems. Improvisational scenario development and analysis; case-based problem description techniques.

DIG 3855 AS-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 technologies and strategies for creative storytelling on the Internet.

DIG 4204 AS-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.
UCF Courses and Descriptions

DIG 4206C AS-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.

DIG 4323 AS-DIG 3(3,0)
Modeling for Visual Language: 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.

DIG 4324 AS-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.

DIG 4325C AS-DIG 4(3,3)
Look Modeling Workshop: PR: COT 3960 and (DIG 3362 or DIG 3355) and successful portfolio review, or C.I. Techniques, mechanics of designing, developed finished look emphasis on rendering, shading, texturing, and lighting.

DIG 4326C AS-DIG 4(3,3)
Geometrical Modeling Workshop: PR: COT 3960 and (DIG 3362 or DIG 3355) and successful portfolio review, or C.I. Techniques, mechanics of designing, manipulating geometrical representations artificial characters and their environments; introduction to procedural models.

DIG 4359C AS-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 compositing, image processing, visual style, visual continuity.

DIG 4369C AS-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.

DIG 4451C AS-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.

DIG 4455C AS-DIG 3(3,0)
Interactive Performance II: PR: DIG 3450C or CI. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure.

DIG 4486 AS-DIG 3(3,0)

DIG 4522L AS-DIG 1(0,3)
Digital Media Service II: PR: DIG 4035L and a minimum grade of “B” (3.0) or better in DIG 3001. Continued participation 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 SU.

DIG 4523L AS-DIG 1(0,3)
Digital Media Service III: 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 SU.

DIG 4524L AS-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.

DIG 4526C AS-DIG 3(2,2)
Digital Media Production I: 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.

DIG 4640 AS-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.

DIG 4641 AS-DIG 3(3,0)
Creative Digital Devices: PR: IDS 3701C and ART 2201C and a minimum grade of “B” (3.0) or better in DIG 3001. The physical construction and computer control of electromechanical devices, and the use of software libraries for controlling tested hardware, for entertainment and creative applications.

DIG 4645 AS-CSC 3(3,0)
Digital Media: PR: COP 3350C 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.

DIG 4713C AS-DIG 3(2,2)
Game Design: PR: DIG 2000 and a minimum grade of “B” (3.0) or better in DIG 3001 and C.I. Principles of design for interactive games and learning experiences. Psychology of play, storylining, and character development. Project oriented.

DIG 4715C AS-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.

DIG 4716L AS-DIG 3(0,3)
Internet Interaction: PR: DIG 2000 or CGS 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.

DIG 4770 AS-CSC 3(3,0)
Building Virtual Worlds: PR: COP 3350C or C.I. Design and construction of software for networked interactive learning environments, entertainment and communication systems. Tools for enabling dramatic, artistic and technical creativity. Project oriented.

DIG 4921C AS-DIG 3(2,2)
Media for e-Commerce I: PR: DIG 2000 and (COP 2500C or COP 3920C) and a minimum grade of “B” (3.0) or better in DIG 3001. Media in support of electronic commerce on the Internet. Emphasis on the artistic and creative components supporting the business aspects of electronic commerce. Project oriented.

DIG 4922 AS-DIG 3(3,0)
Media for E-Commerce II: PR: IDS 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.

DIG 4931 AS-DIG 3(3,0)

DIG 5627 AS-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.

DIG 5647 AS-DIG 3(3,0)
Science & Technology of Dynamic Media: PR: Graduate status or senior standing or C.I. Graduate level survey of key scientific, technical issues in interactive media. Information algorithms, objects, models, theories of computer graphics, sound, modeling, simulation, interfaces, artificial intelligence.

DSC 4013 HPA-PSYCH 3(3,0)

EAB 3703 AS-PSYCH 4(3,2)
Principles of Behavior Modification: PR: EXP 3404. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Lecture/Practicum.

EAB 3705C AS-PSYCH 4(3,2)
Behavior Modification - Part II: PR: EAB 3703, EXP 3404. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs.

EAB 5765 AS-PSYCH 3(3,0)
Applied Behavior Analysis with Children and Youth: PR: DEP 5557 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.

EAS 3010 ECS-MMAE 1(0,3)

EAS 3011 ECS-MMAE 3(3,0)
Fundamentals of Aerodynamics: PR: EML 3701. Fundamentals of inviscid, incompressible flow over aero- dynamic shapes. Theories include potential flow concepts and classical methods as they apply to airfoils, finite wings, etc.

EAS 3404C ECS-MMAE 3(2,3)


EAS 3810C ECS-MMAE 2(1,3) Design of Aerospace Experiments: PR: EAS 3800C and EML 3701. Extension of EAS 3800C. Design of experiments in aeronautical/aerospace systems with emphasis on project team activity. Materials & Supply fee: $45.00


EAS 4134 ECS-MMAE 3(3,0) High-Speed Aerodynamics: PR: EGN 3343, EML 3701, EAS 3800C. Continuation of EAS 3101. Normal and oblique shock waves, nozzle shapes and wind tunnels, methods of analyzing compressible flow about airfoils, wings and bodies. Viscous boundary layers and applications to the design process.

EAS 4200 ECS-MMAE 3(3,0) Flight Structures: PR: EML 3034 and EGM 3601. Fundamental structural and dynamic design of aircraft and space vehicle components. Classical and finite element methods.


EAS 4300 ECS-MMAE 3(3,0) Aerothermodynamics of Propulsion Systems: PR: EAS 4134 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbines, ramjets and rockets.

EAS 4400 ECS-MMAE 3(3,0) Spacecraft Attitude Dynamics: PR: EML 4312C. Kinematics and dynamics of rigid and multibody spacecraft rotational motion. Attitude control with momentum exchange actuators and thrusters.

EAS 4505 ECS-MMAE 3(3,0) Orbital Mechanics: PR: EGN 3321, MAP 2302. Two-body problem, orbital equations, orbital transfer, earth satellite operation.

EAS 4700C ECS-MMAE 3(1,6) Aerospace Design I: PR: EAS 3810C. 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. Materials & Supply fee: $15.00

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. Materials & Supply fee: $45.00


EAS 5157 ECS-MMAE 3(3,0) VIStol Aerodynamics and Performance: PR: EAS 4105; CR: EML 5060. Momentum theory, blade element theory, hover and forward flight, stability, aeroelasticity.

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, thermionics, solar energy, photovoltaics and magnetohydrodynamics. Analysis and systems design.

EAS 5315 ECS-MMAE 3(3,0) Rocket Propulsion: PR: EAS 4134 or EML 4703. Analysis and performance of rocket motors; selection and thermochemistry of chemical propellants: liquid and solid propellant rockets.

EAS 5407 ECS-MMAE 3(3,0) Mechatronic Systems: PR: EML 3804C or EAS 3404C. Discrete control techniques for aerospace mechatronic systems. Controller design, test and evaluation applications.

EAS 5535 ECS-MMAE 3(3,0) Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EAS 4501C, EAS 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered.


ECM 5136 ECS-ECE 3(3,3) Engineering Math Analysis I: PR: MAP 2302. Topics in advanced engineering mathematics, including systems of differential equations, phase plane, linear algebra, and vector differential calculus.

ECM 5741C ECS-ECE 3(2,3) Microcomputer-based Monitoring and Control Systems: PR: EEL 3423C, EEL 4767C and C.I. Machine language programming; software development aids; systems design; interfacing considerations.

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.

ECO 2013H BA-ECON 3(3,0) Honors Principles of Economics I: PR: Permission of Honors. Same as ECO 2013 with honors-level content.

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.

ECO 2023H BA-ECON 3(3,0) Honors Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content.

ECO 3101 BA-ECON 3(3,0) Intermediate Price Theory: PR: ECO 2013 and ECO 2023. Theoretical study of the behavior of households, firms, and the markets in which they operate with issues and applications.


ECO 3401H BA-ECON 3(3,0) Honors: Quantitative Business Tools I: PR: Economics major or minor, ECO 2023, MAC 1105, permission of honors. Same as ECO 3401 with Honors level content.

ECO 3402 BA-ECON 3(3,0) Quantitative Economics Business Tools: PR: Junior standing; ECO 2013, ECO 2023, and ECO 3401. Statistical Tools and Applications in Economics.

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.

ECO 3411 BA-ECON 3(3,0) Quantitative Business Tools II: PR: Junior standing and business major or minor, ECO 2013, ECO 2023, and ECO 3401. The use of statistical methods as scientific tools in the analysis of economics and business problems.

ECO 3411H BA-ECON 3(3,0) Honors: Quantitative Business Tools II: PR: ECO 3401, permission of honors. Same as ECO 3411 with Honors level content.


ECO 3703 BA-ECON 3(3,0) International Economics: PR: ECO 2013 and ECO 2023. Fundamental principles of international trade and foreign exchange, including the balance of payments and problems of foreign economic policy.

ECO 3723 BA-ECON 3(3,0) International Commercial Policy: PR: ECO 2013 and ECO 2023. Presents the fundamentals of international commercial policy, with special emphasis on U.S. trade policy since WW II.

ECO 4302 BA-ECON 3(3,0) Economics of the Environment: PR: ECO 2013, ECO 2023, or C.I. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the microeconomic and macroeconomic level.

**UCF Courses and Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 4412</td>
<td>Economic Statistics and Econometrics: PR: ECO 2013, ECO 2023, ECO 3411. Concepts and methods of developing, analyzing, and interpreting measures of economic activity, and business and economic change.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECO 4451</td>
<td>Research Methods in Economics: PR: ECO 3101, ECO 2023 and ECO 3411. Skills in data collection and creation, data analysis, and research presentation.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECO 4504</td>
<td>Economics of the Public Sector: PR: ECO 2023. A study of fiscal institutions and decision-making, and how government budgetary policy (spending, taxing, borrowing, and debt management) affects the economy and its citizens.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECO 4701</td>
<td>The Global Economy: PR: ECO 2013 and ECO 2023. Interdependent nature of global economy, and risks and benefits of international economic integration.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECO 4941</td>
<td>Economics Internship: PR: Consent of department chair. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded S/U.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECO 5005</td>
<td>Economic Concepts: PR: Acceptance into the graduate program. Introduction to micro and macro economic analysis.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECO 5006</td>
<td>Economic Foundations: PR: Permission to Graduate Study. Introduction to Micro and Macro Economic Analysis.</td>
<td>1.5(1,0)</td>
</tr>
<tr>
<td>ECO 5414</td>
<td>Statistical Foundations: PR: Acceptance to Graduate Study. Statistical theory and problems relating to business and economics, including time series and correlation theory, index number theory and statistical inference.</td>
<td>1.5(1,5,0)</td>
</tr>
<tr>
<td>ECO 5415</td>
<td>Statistics for Business and Economics: PR: Acceptance into the graduate program and MAC 2233. Statistical theory and problems relating to business and economics, including time series and correlation theory, index number theory and statistical inference.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECP 3004</td>
<td>Seminar on Current Economic Topics: PR: ECO 2013 and ECO 2023. Current economic problems and issues. Emphasis on the social and ethical aspects of economic policy and the interrelatedness of economic and non-economic activities.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECP 3203</td>
<td>Contemporary Labor Economics: PR: ECO 2013 and ECO 2023. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECP 3303</td>
<td>Economics and the Environment: PR: Sophomore standing, and ECO 2013 or ECO 2023. Analysis of environmental problems from an economic perspective, its relationship to other disciplines, and the international dimension of environmental policy.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECP 3433</td>
<td>Transportation Economics: PR: ECO 2013 and ECO 2023. Economic characteristics and governmental regulation of public carriers. Consideration of competitive relations between modes of transportation and criteria for public investment in transportation and criteria of public investment in transportation systems.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECP 4403</td>
<td>Business, Government, and Industrial Organizations: PR: ECO 2013 and ECO 2023. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECP 4603</td>
<td>Urban and Regional Economic Problems: PR: ECO 2013 and ECO 2023. Analysis of the location, organization and problems of urban and regional economic activities.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECP 4703</td>
<td>Managerial Economics: PR: Junior standing, MGT 2711, ECO 2023 and ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECS 4003</td>
<td>Comparative Economic Systems: PR: ECO 2013 and ECO 2023. An analysis of the fundamental institutions of the American economic system with those of socialist and command economies. Emphasis is placed on performance criteria and economic modeling.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECS 4013</td>
<td>Economic Development: PR: ECO 2013 and ECO 2023. The study of problems, theories, and issues of economic development with reference to the third world.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECS 4204</td>
<td>The Economies of the Pacific Rim: PR: ECO 2013 and ECO 2023. A study of the ‘Asian Economic Miracle’ examining the relationship between public policies, human resource development, and rapid shared growth.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECS 4210</td>
<td>The Chinese Economy: PR: ECO 2013, ECO 2023. Economic overview of contemporary China, and review of key issues facing the country.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECS 4231</td>
<td>The Japanese Economy: PR: ECO 2013 or ECO 2023 or ECO 2031H. A study of the rapid economic transformation of the Japanese economy with a special focus on the role of human resource development.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECS 4303</td>
<td>Economics of European Integration: PR: ECO 2013 and ECO 2023. Presents the development of the European Community, with emphasis on the characteristics of the Single European Act (EC '92).</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ECS 4442H</td>
<td>Honors Economic Development of Mexico and Central America: PR: Permission of Honors and ECO 2013 or ECO 2023. A study of the economies of Mexico and Central America under NAFTA</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDE 3942</td>
<td>Internship I: PR: EED 4232, RED 3001, MGT 2801, TSL 4060. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDE 4943</td>
<td>Internship II (Elementary): PR: EDE 3942. Student teaching in an elementary school under the supervision of a certified classroom teacher. Scheduled concurrent seminars.</td>
<td>7-12(0,35)</td>
</tr>
<tr>
<td>EDF 1005C</td>
<td>Introduction to Applications of Technology in Education: Classroom applications of instructional media, including computers.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDF 3120</td>
<td>Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDF 3307</td>
<td>Learning Environments and Guidance for Young Children: PR: All courses in Block I. CR: All courses in Block II. Developmentally appropriate education materials, strategies, environments, and guidance for young children. Exploration of active learning and the development of young children’s self-esteem and self-regulation.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDF 3601</td>
<td>Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDF 3740</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDF 4214</td>
<td>Classroom Learning Principles: PR: EDF 4005 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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDF 4282</td>
<td>Applications of Technology in Education: Classroom applications of instructional media, including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDF 4466</td>
<td>Classroom Assessment &amp; 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 S/U.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>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</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EDF 5245</td>
<td>Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>EED 5607</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

**UNIVERSITY OF CENTRAL FLORIDA**

2005-2006 Undergraduate Catalog
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.

EDG 4323  ED-ES  3(3,0)  
Professional Teaching Practices: Pr: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaptation of instruction for diverse student populations.

EDG 4941  ED-ES  1-B(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.

EDG 4948  ED-ES  3(3,0)  
Service Learning: Pr: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit.

EDG 5745  ED-ES  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.

EDG 5941  ED-ES  2-B(0,11)  
Clinical Practice: Pr: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher.

EDH 5306  ECS-MMBAE  1(1,0)  
Teaching Methods in Engineering: Pr: graduate standing in an engineering discipline. This course will cover basic teaching pedagogy to help engineering students become better TA's and help students deliver better technical presentations.

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.

EED 3244  ED-ES  3(3,0)  
Introduction to Early Childhood Education: An overview of early childhood education and services for young children and their families. Includes historical roots, societal changes, program differentiation and future trends.

EED 3214  ED-ES  3(3,0)  

EED 3268  ED-ES  3(3,0)  
Play Development: Explores play development, facilitation, intervention and assessment. Designing play environments is emphasized.

EED 3301  ED-ES  3(3,0)  
Active Learning Teaching Strategies: Studies an integrated developmental-interactionist approach to curriculum planning and design. Equipment selection, room arrangements, daily schedules and active learning teaching strategies are emphasized.

EEC 3610  ED-CFCS  3(3,0)  
Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development.

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.

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.

EEC 4271  ED-CFCS  3(3,0)  
Early Intervention: Provides an overview of development assessment, and intervention with at-risk and handicapped infants and toddlers.

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.

EEC 4510  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.

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.

EEC 4603  ED-CFCS  3(3,0)  
Guidance of Young Children: Pr: EEC 3610. Provides students with techniques to guide the behavior of young children.

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.

EEC 4936  ED-CFCS  2(2,0)  

EEC 4943  ED-CFCS  12(0,12)  
Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded SU.

EEC 5205  ED-CFCS  3(3,0)  
Programs and Trends in Early Childhood Education: Pr: Regular Certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences.

EEC 5206  ED-CFCS  3(3,0)  
Organization of Instruction in Early Childhood Education: Pr: Regular Certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences.

EEC 5208  ED-CFCS  3(3,0)  
Creative Activities in Early Childhood: 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.
UCF Courses and Descriptions

EEL 3470 ECS-ECE 3(3,0)

EEL 3520 ECS-ECE 3(3,0)
Information Theory: 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 CeE majors.

EEL 3552C ECS-ECE 4(3,3)

EEL 3657 ECS-ECE 3(3,0)
Linear Control Systems: PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation.

EEL 3801C ECS-ECE 3(2,3)
Introduction to Computer Engineering: PR: EGN 3211 or equivalent. CR: EEL 3342C. Introduction to the field of computer engineering. Engineering applications of advanced C-language concepts. C++ topics and applications. Basic computer organization. Assembly language programming Materials & Supply fee: $10.00

EEL 4130 ECS-ECE 3(3,0)

EEL 4140C ECS-ECE 4(3,3)

EEL 4205 ECS-ECE 3(3,0)

EEL 4216 ECS-ECE 3(3,0)
Fundamentals of Electric Power Systems: PR: EEL 3004 or C.I. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines.

EEL 4309C ECS-ECE 4(3,3)
Electronics II: PR: EEL 3307C, EEL 3342C. Ideal Op-Amps and applications. Introduction to Logic Circuits; Bipolar, MOS and CMOS families; Flipflops and memory cells, comparators and timing circuits; A/D and D/A converters. Materials & Supply fee: $15.00

EEL 4314 ECS-ECE 3(3,0)

EEL 4436C ECS-ECE 4(3,3)
Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Materials & Supply fee: $15.00

EEL 4440 ECS-ECE 3(3,0)
Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radome, detectors, physical optics, interferometric devices, applications to engineering design problems.

EEL 4512 ECS-ECE 4(3,3)
Communication Systems: PR: STA 3032, EEL 3552C and EEL 3307C. Information transmission, modulation, and noise; design and comparison systems in the presence of noise. Materials & Supply fee: $15.00

EEL 4515C ECS-ECE 4(3,3)

EEL 4518 ECS-ECE 3(3,0)
Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit.

EEL 4612 ECS-ECE 3(3,0)
Introduction to Modern and Robust Control: PR: EEL 3657. Classical control theory including differential equations and Laplace transform techniques, stability analysis, and classical frequency domain design.

EEL 4635C ECS-ECE 4(3,3)
Computer Control Systems: PR: EEL 3657. Discrete-time systems, the z-transform, and simple 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. Materials & Supply fee: $15.00

EEL 4664 ECS-ECE 3(3,0)

EEL 4750 ECS-ECE 3(3,0)

EEL 4767C ECS-ECE 4(3,3)

EEL 4768C ECS-ECE 3(3,0)
Computer System Design II: PR: EEL 4767C and EEL 4851C. Continuation of EEL 4767C. Control and datapath design using a hardware description language, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory and RISC. Materials & Supply fee: $30.00

EEL 4781 ECS-ECE 3(3,0)

EEL 4783C ECS-ECE 2(2,3)
Computer-Aided Engineering Design: PR: EEL 4768C. Review of currently available CAE tools for digital hardware and software design applications. Materials & Supply fee: $5.00

EEL 4791 ECS-ECE 3(2,4)
Telemetry and Space Computer Systems: PR: EEL 3552C and EEL 3801C, EEL 3857, EEL 3307C, EEL 3470. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system “inertial upper stages”

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 content.

EEL 4818H ECS-ECE 3(3,0)
Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3801C or COP 3223 or STA 3032. Machine learning, ART Neural networks, random neural network, genetic algorithms, decision trees, statistical techniques, and implementation issues. With Honors content.

EEL 4832 ECS-ECE 3(3,0)
Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EGN 3423. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations.

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. Materials & Supply 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.

EEL 4882 ECS-ECE 3(3,0)
Engineering Applications of Intelligent Systems II: PR: EEL 4851C. Software development life cycle, function and object-oriented methodologies, CASE, Analysis, design, and development of a large software project. Materials & Supply fee: $5.00

EEL 4890 ECS-ECE 3(3,0)

EEL 4914 ECS-ECE 3(2,1)
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.

EEL 4915L ECS-ECE 3(0,3)
Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report Materials & Supply fee: $15.00

EEL 5173 ECS-ECE 3(3,0)
Linear Systems Theory: PR: EEL 3657. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory.

EEL 5245C ECS-ECE 3(2.1)
Power Electronics: PR: EEL 4599C. Principles of power...
electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cyclo-converters, applications.

EEL 5332C | ECS-ECE 3(2,1) Thin Film Technology: PR: EEL 3306 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Materials & Supply fee: $30.00.

EEL 5352 | ECS-ECE 3(3,0) Semiconductor Material and Device Characterization: PR: EEL 3306 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films.

EEL 5353 | ECS-ECE 3(3,0) Semiconductor Device Modeling and Simulation: PR: EEL 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included.

EEL 5355C | ECS-ECE 4(3,3) 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. Materials & Supply fee: $45.00.


EEL 5378 | ECS-ECE 3(3,0) CMOS Analog and Digital Circuit Design: PR: EEL 4309C. Advanced principles and design techniques for CMOS ICs including most recent published results.

EEL 5390 | ECS-ECE 3(3,0) Full-Custom VLSI Design: PR: EEL 3424C, EEL 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification.

EEL 5432 | ECS-ECE 3(3,0) Satellite Remote Sensing: PR: EEL 3470 or PHY 4324. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements.

EEL 5434 | ECS-ECE 3(3,0) Microwave Circuits and Devices: PR: EEL 4498C or EEL 5555C. Planar transmission lines; passive microwave circuits; active circuit design using Gunn, IMPATT, FETS, EEL 5555C. Parameter extraction, numerical algorithm, and SPICE simulation are included.


EEL 5513 | ECS-ECE 3(3,0) Digital Signal Processing Applications: PR: EEL 4750. The design and practical consideration for implementing Digital Signal Processing Algorithms including Fast Fourier Transform techniques, and some useful applications.

EEL 5517 | ECS-ECE 3(3,0) Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented.

EEL 5542 | ECS-ECE 3(3,0) Random Processes I: PR: EEL 3552C and STA 3032. Elements of probability theory, random variables, and stochastic processes.


EEL 5555C | ECS-ECE 3(2,2) RF and Microwave Communications: RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Materials & Supply fee: $30.00.

EEL 5562 | ECS-ECE 3(3,0) Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for non-linear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS.

EEL 5560 | ECS-ECE 3(3,0) Digital Control Systems: PR: EEL 3367. Real-time digital control system analysis and design, Z-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design.


EEL 5722C | ECS-ECE 3(3,1) Field-Programmable Gate Array (FPGA) Design: PR: EEL 3342C or C.I. FPGA, architectures, design flow; applications; logic synthesis; technology mapping, placement, routing, multi-FPGA systems; multi-context; reconconfigurable computing; evolvable hardware.


EEL 5780 | ECS-ECE 3(3,0) Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA.)

EEL 5820 | ECS-ECE 3(3,0) Image Processing: PR: MAP 2302, EGN 3420, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques.

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.

EEL 5860 | ECS-ECE 3(3,0) Software Requirements Engineering: PR: Graduate standing or C.I. Excellent oral and written communication skills. Excellent problem solving skills. In-depth study of software requirements engineering within a process centered framework. methods for requirements elicitation, analysis, description, and validation. Formal and informal specification.

EEL 5874 | ECS-ECE 3(3,0) Expert Systems and Knowledge Engineering: PR: EEL 4812 or C.I. Introduction to expert systems in engineering. Expert systems tools and interpreting techniques. This course is hands-on and project oriented.

EEL 5881 | ECS-ECE 3(3,0) Software Engineering I: PR: EGN 3420, EEL 4815C or C.I. Design, implementation, and testing of computer software for Engineering applications.

EEL 5891 | ECS-ECE 3(3,0) Continuous System Simulation I: PR: EEL 3567 or C.I. Use of state-space techniques, numerical integration, and CSSL programs. Laboratory assignments.

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.

EES 4111C | ECS-ECE 3(2,3) Biological Process Control: PR: ENV 4561. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy products, wastewater treatment, and others. Materials & Supply fee: $45.00.

EES 4202C | ECS-ECE 3(2,3) 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, and biological treatment, neutralization, and others. Materials & Supply fee: $45.00.

EES 5605 | ECS-ECE 3(3,0) Outdoor Noise Control: PR: C.I. Community noise evaluation and control, legislative standards, instrumentation and measurement, abatement methods, and noise modeling.

EET 2025C | ECS-ENT 4(3,2) Electrical Circuits: PR: EET 1015C or EET 3065C. Frequency domain and steady state analysis of electric circuits; RLC circuits, timed circuits, resonance and Q; filters, magnetically coupled circuits, transformers, 3-phase circuits, power relationships. Materials & Supply fee: $10.00.


EET 3716 ECS-ENT 3(3,0) Network Analysis: PR: DCAC circuits and Calculus I. Transient analysis of first and second-order circuits, circuit analysis using Laplace Transforms. Transform function, frequency response analysis, and Bode plots. May be repeated for credit.

EET 4158C ECS-ENT 2(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. Materials & Supply fee: $10.00


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.


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.

EEX 2010 ED-CFC5 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.

EEX 2310 ED-CFC5 3(3,0) Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities.

EEX 3102 ED-CFC5 3(3,0) Language Development and Communication Disorders: PR: Junior standing. Interdisciplinary approach to language development, identification and remediation of communication and language disorders.

EEX 3221 ED-CFC5 3(3,0) Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students.

EEX 3241 ED-CFC5 3(3,0) Methods for Academic Skills for Exceptional Students: PR: EEX 3010, EEX 3984. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before Internship I.

EEX 3243 ED-CFC5 3(3,1) Techniques for Exceptional Adolescents-Adults: CR: EEX 3241. A study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs.

EEX 3450 ED-CFC5 3(3,0) Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families.

EEX 3754 ED-CFC5 3(3,0) Parents as Educators: Develop parental awareness of their role in child development and school success. Attention given to social context of parenting and parents as advocates for children.

EEX 3864 ED-CFC5 6(0,16) Internship I: PR: EDG 4233, RED 3012, EEX 2010, EEX 3241. Satisfactory completion of the internship. Internship assignment 2 days a week under a certified exceptional education teacher. Half in elementary, half in secondary. Graded S/U.

EEX 3940 ED-CFC5 3(3,0) Internship I: Exceptional Education: PR: EDG 4233, RED 3012, EEX 2010, EEX 3241, MAE 2901. Student teaching exceptional education in secondary school setting under the supervision of a certified classroom teacher.


EEX 4054 ED-CFC5 2(2,0) Application and Theories for Students with Special Needs: PR: EEX 2010, EDG 4233. Theories and historical foundations for students with specific learning, physical, cognitive, and emotional disabilities.

EEX 4066 ED-CFC5 3(3,0) Curriculum and Instructional Strategies for Special Needs Students: PR: EEX 2010, EEX 4054, EEX 3941, EDG 4233, RED 3012, LAE 3414, MAE 2801. Development of highly specialized techniques and curriculum materials to be used with students with emotional, learning, cognitive and physical disabilities.

EEX 4601 ED-CFC5 3(3,0) Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students.

EEX 4751 ED-CFC5 3(3,0) Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child's education.

EEX 4753 ED-CFC5 3(3,0) Parent/Professional Collaboration: The special education teacher's role in working with families, regular educators, and other professionals in a collaborative relationship.

EEX 4943 ED-CFC5 12(0,35) Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. May be repeated for credit. Graded S/U

EEX 5051 ED-CFC5 3(3,0) Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools.

EEX 5702 ED-CFC5 3(3,0) Planning Curriculum for Pre-kindergarten Children with Disabilities: Focus on curriculum planning; developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities.

EEX 5750 ED-CFC5 3(3,0) Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition.

EGM 3601 ECS-MMAE 3(3,0) Solid Mechanics: PR: EGN 3310, CR: MAP 2302. Concepts of stress, strain, deflection; axial force, torsion, bending; combined stress, Mohr's circle, failure theories; design concepts; application to machines and vehicles.

EGN 1006 ECS-MMAE 1(1,2) Introduction to the Engineering Profession: PR: New student status or C.I. Overview of academic and professional requirements in various engineering disciplines. Materials & Supply fee: $5.00

EGN 1007C ECS-ECS 1(1,2) Engineering Concepts and Methods: PR: New student status or C.I. Graduate or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools.

EGN 1036C ECS-MMAE 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college.


EGN 1360 ECS-MMAE 3(3,0) Materials in Today's World: A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today's world with emphasis on modern developments and new materials.

EGN 2815C ECS-AFROTC 3(2,3) Space Science and Technology: Past, Present, and Future: Introduction to space technology, past, present and future. Applications to modern life

EGN 5001 ECS-EMS 2(1,1) LEAD Colloquium: PR: C.I. LEAD Scholars Program. Must have completed at least two of the following with a grade of B or better, IDS 1040C, GEB 1091C, EGN 1036C,
EDG 1005C or HSC 1931C. Provides experiential leadership experience in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit.

EGN 3211 ECS-ECE 3(3,0)

EGN 3310 ECS-CSE 3(3,0)
Engineering Analysis-Statics; PHY 2048; CR: MAC 2312. Fundamental concepts of mechanics, including resultant forces of system, free-body diagrams, equilibrium of rigid bodies, and analyses of structures.

EGN 3310H ECS-CSE 3(3,0)

EGN 3321 ECS-MMAE 3(3,0)
Engineering Analysis-Dynamics; PR: EGN 3310; CR: MAC 2313. Kinetostatics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum.

EGN 3321H ECS-CSE 3(3,0)
Engineering Analysis - Dynamics Honors: PR: Permission of Honors and EGN 3310. Kinetostatics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum.

EGN 3331 ECS-CSE 3(3,0)

EGN 3343 ECS-MMAE 3(3,0)

EGN 3358 ECS-MMAE 3(3,0)

EGN 3365 ECS-MMAE 3(3,0)

EGN 3373 ECS-CSE 3(3,0)

EGN 3373H ECS-CSE 3(3,0)

EGN 3420 ECS-ECE 3(3,0)
Engineering Analysis: PR: High-level computer language. MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting.

EGN 3613 ECS-IEMS 2(2,0)

EGN 3704 ECS-CSE 2(2,0)
Engineering and the Environment: PR: CHS 1440 and MAC 2312. Process engineering for air, energy, water, and land environment and the role of engineering in control of these environments.

EGN 3843 ECS-ECS 3(3,0)
Systems Modeling: PR: CGS 1060C or equivalent. Representation of man/machine systems through analytic and computer-based models. Case studies in the analysis and improvement of systems in industry, education, and government.

EGN 4412C ECS-MMAE 3(1,5)

EGN 4413C ECS-MMAE 3(1,5)
Interdisciplinary Design II: PR: EGN 4412C. Continuation of Interdisciplinary Design I May be repeated for credit.

EGN 4624 ECS-IEMS 3(3,0)
Engineering Administration: PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; and planning, project management. Lab exercises. Materials & Supply fee: $45.00.

EGN 4706C ECS-MMAE 3(2,4)
Small Satellite Payloads and Integration: PR: EML 3303 OR EAS 3800 or EEL 3901 OR ESI 4523. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration.

EGN 4707C ECS-ECS 3(2,4)
Processing Space-Launched Systems: PR: For ECE: EEL 3552C or EEL 4767C; For IEMS: ESI 4523C; For MAC: EAS 3800C. Assembly and test techniques for preparing and check-out of the space-launch system “Inertial Upper Stage”. May be repeated for credit.

EGN 4824 ECS-ENT 3(3,0)
Energy and Society: Investigation of available energy forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions.

EGN 4830 ECS-ENT 3(3,0)
Telecommunications: Telecommunications and its role in contemporary local, national, and international society.

EGN 4931H ECS-ECS 3(3,0)
Engineering Honors Seminar: PR: Permission of Honors and Senior standing. C.I. introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study.

EGN 4933 ECS-ECS 1(1,0)
Professional Engineering Practice: PR: Senior standing or C.I. Seminar dealing with current and future global issues within the engineering profession.

EGN 5035 ECS-ECS 3(3,0)
Topics in Technological Development: PR: C.I. Selected topics in the technological development of western civilization including the weight-driven clock, steam engine, electric light, etc.

EGN 5720 ECS-IEMS 3(2,3)
Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3358 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. Materials & Supply fee: $45.00.

EGN 5840 ECS-ECS 3(3,0)
Small Rocket Applications for Teachers: PR: Admission to Martin Marietta/UCF Academy. Earth and space environments, rocket propulsion, meteorological and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, flight trips, student science experiments.

EGN 5855C ECS-IEMS 3(2,2)
Metrology: PR: EIN 4391C or C.I. Advanced topics in inspection and measurement with applications in engineering and manufacturing.

EGN 5858C ECS-IEMS 3(2,1)
Prototyping and Product Realization: PR: Basic knowledge and/or experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications and practice of rapid prototyping and reverse engineering technologies. Materials & Supply fee: $45.00.

EIN 3304 ECS-ECS 2(2,0)
Introduction to Industrial Engineering and Management Systems: Issues important to the operation of an industrial or service facility.

EIN 3314C ECS-ECS 3(2,2)

EIN 3354 ECS-IEMS 3(3,0)
Principles of Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle.

EIN 4116C ECS-IEMS 3(2,2)

EIN 4118C ECS-IEMS 3(2,3)

EIN 4214 ECS-IEMS 3(3,0)
Safety Engineering and Administration: Analysis of
accidents in the industrial operating environment. Application of fault trees, OSHA requirements. Consideration of accident costs and organizational aspects of accident prevention.

EIN 4243C ECS-IEMS 3(2,2) Human Engineering: PR: EIN 3314C; Senior standing. Man-machine systems; design and conduct of human engineering studies. Materials & Supply fee: $20.00

EIN 4305C ECS-IEMS 3(2,2) Industrial Engineering Applications in The Service Industries.: PR: EIN 3214C, ESI 4102, ESI 4234 or CI. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc.

EIN 4333C ECS-IEMS 3(2,3) Industrial Control Systems: PR: ESI 4112. Decision rules in industrial environment including Forecasting, Production Planning, Scheduling, Inventory Control, and Project Monitoring. Laboratory assignments. Materials & Supply fee: $20.00

EIN 4364C ECS-IEMS 3(2,2) Industrial Facilities Planning and Design: PR: EIN 3114C, EIN 3554, EIN 4391C. C.R.EIN 4333C. Comprehensive design of industrial production systems, including interrelationships of plant location, process design, and materials handling. Laboratory assignments. Materials & Supply fee: $20.00

EIN 4391C ECS-IEMS 3(2,2) Manufacturing Engineering: PR: EGN 3365. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Materials & Supply fee: $20.00

EIN 4400 Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly.

EIN 4411C 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). Materials & Supply fee: $45.00

EIN 4891C ECS-IEMS 3(2,3) Industrial Engineering Senior Design Project: PR: EIN 4115C. Senior standing. Capstone design course; application of IEMS techniques to real-world design applications. Materials & Supply 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 technologists into managers focusing on engineering, scientists, and other professionals providing services in technically-oriented organizations.

EIN 5117 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.

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.

EIN 5248C ECS-IEMS 3(2,2) Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculo-skeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Materials & Supply fee: $20.00

EIN 5251 ECS-IEMS 3(3,0) Human-Computer Interaction: Usability Evaluation: Usability paradigms/principles: cognitive walkthroughs; heuristic, review-based, model-based, empirical and story-board evaluation; techniques; query techniques; laboratory techniques; and field study approaches.

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.

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

EIN 5356 ECS-IEMS 3(3,0) Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle.


EIN 5381 ECS-IEMS 3(3,0) Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, produc- tion, distribution, and support.

EIN 5388 Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages.

EIN 5392C ECS-IEMS 3(2,2) Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing into an intelligent system for controlling the manufacturing enterprise. Materials & Supply fee: $20.00

EIN 5415C ECS-IEMS 3(2,2) Tool Engineering and Manufacturing Analysis: PR: EIN 4411C. Tool materials and design, tolerance technology, theory of metal cutting, and machineability.

EIN 5602C ECS-IEMS 3(2,2) Expert Systems in Industrial Engineering: Overview of basic concepts, architecture and construction of expert systems in IE. Intelligent simulation training systems, case studies and problems. Laboratory exercises. Materials & Supply fee: $20.00

EIN 5607C ECS-IEMS 3(2,2) Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4411C or EMI 4535C, or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and program- ming, machine and system control. Materials & Supply fee: $45.00

EIN 5936 Seminar in Industrial Engineering: Doctoral Research: PR: C.I. Essential topics for doctoral research including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interview- ing, grants, and publishing.

ELD 4011 EDCFCS 3(3,0) Intro to Specific Learning Disabilities: Nature and needs of students with learning disabilities to include his- tory, theories, characteristics, definitions, assessments, issues, and application of effective teaching practices.

ELD 4242 EDCFCS 3(3,0) Program Planning for Specific Learning Disabilities: PR: Senior standing. Development of highly specialized techniques, curriculum materials, to be used with students with special learning disabilities.


EMA 1002 ECS-MMAE 3(3,0) Materials in Today's World: A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today's world with emphasis on modern developments and new materials.

EMA 3000 ECS-MMAE 3(3,0) Engineering Polymeric, Ceramic, and Composite Materials: PR: EGN 3365. Structure, properties, process- ing of engineering polymeric, ceramic, and composite materials.

EMA 3012C ECS-MMAE 3(2,2) Experimental Techniques in Mechanics and Materials: PR: EGN 3365. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treat- ment, mechanical testing (hardness, tensile, impact, etc.) Materials & Supply fee: $45.00

EMA 3124 ECS-MMAE 3(3,0) Design and Selection of Materials: PR: EGM 3601, and EGM 3365 or EMA 3706. Relationship between process- ing, structure and properties of various engineering mate- rials and their selection in engineering design.

EMA 3706 ECS-MMAE 3(3,0) Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and MAC 2282 or MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behav- ior, specific aerospace materials, materials design.


EMA 4103 ESENT 3(3,0) Space Environment Technology: PR: MAC 2528, PHY 2026. The space environment and how it affects manufac- turing of space elements to withstand the harsh space environment.


Scanning Electron Microscopy: PR: EGN 3365 or C.I. A review of electron optics, beam/specimen interactions, image formation, x-ray analysis, specimen preparation, microelectronic applications, and crystallography in the SEM.

Materials Characterization Techniques: PR: EMA 3012C, and EGN 3365 or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry.

Emerging Materials: PR: EGN 3365, or EMA 3706. Structure, properties and processing of modern emerging materials.


Materials Performance in Space Applications: PR: EMA 3706. Laboratory failure analysis of materials within space-related environments.

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.


Metallurgical Thermodynamics: PR: EGN 3365. Laws of thermodynamics, phase equilibrium, reactions between condensed and gaseous phases, reaction equilibria in condensed solution and phase diagrams.

Surface Science: PR: PHY 2049 and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectrometers utilizing electron, ion and photon probes.

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.


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.

EML 4005  ECS-MMAE  3(3,0)  Design in Mechatronics and Engineering: PR: EGN 3343 and EGM 3601. Design for function and invention, in both engineering and nature: economy, form, beauty, energy, mechanism, structure, evolution in nature.


EML 4260  ECS-MMAE  3(3,0)  Dynamics of Machinery: PR: EML 3262C and EML 4220. Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics.

EML 4264  ECS-MMAE  3(3,0)  Vehicle Dynamics: PR: EML 3262C and EML 4220. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover.

EML 4293  ECS-MMAE  3(3,0)  Essentials of Miniature Engineering Systems: PR: Graduate status or C.I. Engineering of miniature mechanical, thermal, energy, and electrical systems, including advantages, microfabrication methods, and future trends.

EML 4304C  ECS-MMAE  2(1,3)  Thermo-Fluids Measurements: PR: EML 3303C and EML 4142. Measurements in thermo-fluid systems with emphasis on design of experiments. Materials & Supply fee: $45.00

EML 4312C  ECS-MMAE  3(2,3)  Feedback Control: PR: EGM 3231, MAP 2302, EGN 3373 and EML 4220 or EAS 4210. Mathematical modeling of dynamic systems: transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design.

EML 4411  ECS-MMAE  3(3,0)  Mechanical Power Systems: PR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on steam plants utilizing both chemical and nuclear fuels.

EML 4501C  ECS-MMAE  3(1,6)  Engineering Design I: PR: EML 3500, EML 3701 and EML 3303C. 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. Materials & Supply fee: $15.00

EML 4502C  ECS-MMAE  3(3,0)  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. Materials & Supply fee: $45.00

EML 4535C  ECS-MMAE  3(2,3)  CAD/CAM: PR: EGN 3343, EML 3034, and EGM 3601; CR EAS 4240 or EML 3500. CAD/CAM/FEM computation technology. Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. Materials & Supply fee: $15.00

EML 4600  ECS-MMAE  3(3,0)  HVAC Systems Engineering: PR: EML 3101 and EML 4142. Heating, ventilation, air-conditioning, and refrigeration principles and systems design. Psychrometrics, heating and cooling loads, equipment and components, and distribution systems.

EML 4703  ECS-MMAE  3(3,0)  Fluid Mechanics II: PR: EML 3701. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects.

EML 5025C  ECS-MMAE  3(2,2)  Engineering Design Practice: PR: C.I. The course is designed to familiarize students with basic CAD/CAM solid modeling techniques in a project-oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Materials & Supply fee: $15.00

EML 5060  ECS-MMAE  3(3,0)  Mathematical Methods in Mechanical, Materials and Aerospace Engineering: PR: MAP 2302. Vector field theory, generalized coordinates, complex variables, coordinate transformation, Laplace and Fourier transforms and invariances, variable coefficient ODEs and solution of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics.


EML 5105  ECS-MMAE  3(3,0)  Gas Kinetics and Statistical Thermodynamics: PR: EAS 4134 or EML 4703. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems.


EML 5211  ECS-MMAE  3(3,0)  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.

EML 5224  ECS-MMAE  3(3,0)  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.

EML 5228C  ECS-MMAE  3(3,0)  Modal Analysis: PR: EML 3303, EML 4220, and EML 5060. Theoretical basis. Measurement techniques, excitation, transducers, data acquisition. Detailed data analysis, modal parameter extraction, curve-fitting procedures, modeling.


EML 5245  ECS-MMAE  3(3,0)  Tribology: PR: EGN 3365, EGM 3331 and EML 3701. Principles of fluid film lubrication (liquid and gas, journal and thrust bearings), contact mechanics (rolling element bearings), design of bearings and load bearing surfaces, friction and wear of materials, tribostesting.


EML 5291  ECS-MMAE  3(3,0)  MEMS Materials: PR: EML 5000, EML 5211, or C.I. Introduction of materials that are frequently used for MEMS applications such as silicon, metal, ceramics and polymers. The course will focus on fundamental principles involved in structures and properties of the materials, and their applications in MEMS.

EML 5292  ECS-MMAE  3(3,0)  Fundamental Phenomenon and Scaling laws in Micro-Engineering Systems: PR: EML 5000, EML 5211, or C.I. Introduction to meso-, micro-, and nano-scales, and related terminology, constitutive relationships at these scales and how these relationships affect the behavior and performance of systems. Effect of miniaturization on a few common engineering systems.

EML 5311  ECS-MMAE  3(3,0)  System Control: PR: EML 4312C, CR: EML 5060. Modern control theory for linear and non-linear systems; controllability and observability. Linear state feedback and state estimators, compensator design.

EML 5402  ECS-MMAE  3(3,0)  Turbomachinery: PR: EML 3101, 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.

EML 5532C  ECS-MMAE  3(2,3)  Computer-Aided Design for Manufacture: PR: EGN 4550C. Builds on introductory material covered in EML 4550C. Topics include computer modeling for the synthesis, simultaneous design and manufacture of mechanical, thermal, and aerospace systems. Materials & Supply fee: $15.00


ENC 1102H AS-ENG 3(3,0) Honors Freshman Composition II: PR: ENC 1101H with a grade of "C" or better and C.I. and permission of Honors. Same as ENC 1102, with honors-level content. Note on Freshman English Program: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The "NC" grading policy applies to this course.

ENC 2127 AS-ENG 3(3,0) Grammar and Composition: A systematic study of grammar and mechanics to improve editing for clarity and accuracy in writing.

ENC 2210 AS-ENG 3(3,0) Writing for the Business Professional: PR: ENC 1102, Junior standing or C.I. Emphasis on clear expository writing. Grading policy applies to this course.

ENC 2411C AS-ENG 3(2,1) Digital Literacy for the Liberal Arts: Designed to help students understand how computer technologies have shaped our culture and ourselves; to become critical consumers of technology; to acquire critical sensitivity regarding the manner in which technology affects and is affected by texts.

ENC 3211 AS-ENG 3(3,0) 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.

ENC 3211H AS-ENG 3(3,0) Honors Theory and Practice of Technical Writing: PR: Permission of Honors and ENC 1102H or equivalent credit. Taught at Honors level. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies.

ENC 3241 AS-ENG 3(3,0) Writing for the Technical Professional: PR: ENC 1102, Junior standing, or C.I. Instruction and practice in expository prose used in technical writing, layout and design of data, and translation of technical documents for the lay audience.

ENC 3241H AS-ENG 3(3,0) Honors 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.

ENC 3250 AS-ENG 3(3,0) Professional Writing: PR: ENC 1102, Junior standing, and 12 upper division hours in the student's major. Major elements of professional writing with emphasis on composing reports, proposals, letters, and memos.

ENC 3310 AS-ENG 3(3,0) Magazine Writing I: PR: 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.

ENC 3311 AS-ENG 3(3,0) Advanced Expository Writing: PR: ENC 1102. Practice of expository writing directed to general reader.

ENC 3905 AS-ENG 3(3,0) Directed experience in Writing: PR: ENC 1102, C.I. Individualized topics of study and/or research in writing with personalized faculty direction. May be repeated for credit.

ENC 3942 AS-ENG 3(3,0) Journal Writing Practicum: An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion.


ENC 4218 AS-ENG 3(3,0) Visual Elements in Documentation: PR: ENC 4293. Study and preparation of visuals and graphics in technical writing and documentation; use of computer graphics; slides, transparencies, charts, graphs, drawings. Materials & Supply fee: $10.00

ENC 4262 AS-ENG 3(3,0) International Technical Communication: PR: ENC 3211 or ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logistical challenges.

ENC 4265 AS-ENG 3(3,0) Writing for the Computer Industry: PR: ENC 1102 and Junior standing, or C.I. This course addresses the special demands of writing for the computer industry.

ENC 4275 AS-ENG 3(3,0) Writing/Consulting: theory & practice: PR: C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator.


ENC 4290 AS-ENG 3(3,0) Usability Testing for Technical Communications: PR: ENC 4253 or C.I. Usability theory and techniques for evaluating relational manuals, on-line documentation, and other technical communication genres.

ENC 4293 AS-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.

ENC 4294 AS-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. Materials & Supply fee: $10.00

ENC 4295 AS-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. Materials & Supply fee: $10.00

ENC 4312 AS-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.

ENC 4360 AS-ENG 3(3,0) Nature Writing: PR: CRW 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.
ENC 4414 AS-ENG 3(3,0) Writing and Hypertext: PR: ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext.

ENC 4415 AS-ENG 3(3,0) Digital Rhetorics and The Modern Dialectic: PR: ENC 1102. This online course explores the development of digital-rhetoric through a close reading and analysis of formative rhetorical texts, modern American fiction and films.

ENC 5214 AS-ENG 3(3,0) Proposal and Publication Methods: PR: Graduate status or senior standing or C.I. Theory and practice of production and publication methods for technical writers.

ENC 5216 AS-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.

ENC 5219 AS-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.

ENC 5225 AS-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.

ENC 5237 AS-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.

ENC 5245 AS-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.

ENC 5256 AS-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.

ENC 5276 AS-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).

ENC 5277 AS-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.

ENC 5291 AS-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.

ENC 5306 AS-ENG 3(3,0) Persuasive Writing: PR: Graduate status or senior standing or C.I. Theory and practice of writing persuasively.

ENC 5335 AS-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 chronicle logical practice and theory of rhetoric form classical to contemporary times.

ENC 5337 AS-ENG 3(3,0) Modern Rhetorical Theory: PR: Graduate status or senior standing or C.I. With special attention to the rhetorical and audience relationship, the course studies history and practice of modern rhetorical theory.

ENC 5338 AS-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.

ENC 5344 AS-ENG 3(3,0) Proposal Writing: PR: Graduate status or senior standing or C.I. Theory and practice of writing proposals.

ENC 5425 AS-ENG 3(3,0) Hypertext Theory and Design: PR: Graduate status, post bac, or senior standing, or C.I. A study of the theory and practice of computer-driven hypertext.

ENC 5705 AS-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.

ENC 5712 AS-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.

ENC 5745 AS-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.

ENC 5945 AS-ENG 3(3,0) Community Literacy Practicum: PR: Graduate status or senior standing or C.I. Designed to deepen theoretical understanding of literacy through participation in a community literacy project.

ENG 3010 AS-ENG 3(3,0) Practical Criticism: PR: ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism.

ENG 3014 AS-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.

ENG 3073 AS-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.”

ENG 4114 AS-ENG 3(3,0) Literature and Film: PR: ENC 1102 and ENG 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations.

ENG 5009 AS-ENG 3(3,0) Methods of Bibliography and Research: PR: Graduate status or senior standing or C.I. Bibliographical, literary and systematic approaches to research at the graduate level in language and literature.

ENG 5018 AS-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.

ENL 2012 AS-ENG 3(3,0) English Literature I: PR: ENC 1102. Beowulf to 1798.

ENL 2022 AS-ENG 3(3,0) English Literature II: PR: ENC 1102. From 1798 to 1914.

ENL 3951 AS-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.

ENL 3951H AS-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.


ENL 4220 AS-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, Lyly & others.

ENL 4300 AS-ENG 3(3,0) 18th Century Studies: PR: ENC 1102 and ENG 3014. Reading, analysis, and discussion of literature in English: 1660-1880. May be repeated for credit.

ENL 4340 AS-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.

ENL 4523 AS-ENG 3(3,0) The Victorian Age: Poetry: PR: ENC 1102 and ENG 3014. Poets of the Victorian period, including Tennyson, the Browns, Arnold, Hopkins, the Rossettis, and Emily Bronte.

ENL 4626 AS-ENG 3(3,0) Nineteenth Century British Prose: PR: ENC 1102 and ENG 3014. Essays and fiction of the nineteenth century.

ENL 4723 AS-ENG 3(3,0) Modern British Literature: PR: ENC 1102 and ENG 3014. Major writers of modern British literature.

ENL 4311 AS-ENG 3(3,0) Chaucer: PR: ENC 1102 and ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works.

ENL 4333 AS-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.

ENL 4341 AS-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.

ENL 5006 AS-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.

ENL 5237 AS-ENG 3(3,0) Eighteenth Century Studies: PR: Graduate status or senior standing or C.I. Reading, analysis, and discussion of literature in English: 1660-1880.

ENL 5250 AS-ENG 3(3,0) The Victorian Age: Poetics: 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.

ENL 5256 AS-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.

ENL 5335 AS-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.

ENL 5347 AS-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.

ENV 3001 ECS-CEE 3(3,0) Introduction to Environmental Engineering: PR: CHM 2046 and MAC 2312. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution. May be repeated for credit.

ENV 4008C ECS-CEE 3(2,2) Environmental Engineering Capstone Design: PR: one of - ENV 4562C, ENV 4300C, ENV 4122C, or CWR 4812C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design.


ENV 4120 ECS-CEE 3(3,0) Air Pollution Control: PR: ENV 3001 and CWR 3201. Air resources engineering design, and operation of air pollution control systems.

ENV 4122C ECS-CEE 3(2,2) Air Pollution Control Design: Project course on design of air pollution control equipment and systems. Materials & Supply fee: $15.00.

ENV 4300C ECS-CEE 3(2,2) Solid Waste Facility Design: PR: ENV 4341. Project course on design of a municipal solid waste landfill. Materials & Supply fee: $15.00.

ENV 4341 ECS-CEE 3(3,0) Solid Waste Management: PR: ENV 3001 or C.I. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes.

ENV 4432 ECS-CEE 3(3,0) Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit.

ENV 4531 ECS-CEE 3(3,0) Wastewater Treatment Processes: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of wastewater treatment facilities. May be repeated for credit.

ENV 4561 ECS-CEE 4(4,0) Environmental Engineering - Process Design: PR: ENV 3001 and CWR 3201. Water treatment and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal.


ENV 5071 ECS-CEE 3(3,0) Environmental Analysis of Transportation Systems: PR: CWR 3201; ENV 3001. Prediction and abatement of pollution from transportation sources. Analysis techniques and environment laws.


ENV 5334 ECS-CEE 3(3,0) Characterization of Hazardous Waste Sites: PR: CWR 4101C and ENV 4541C or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions.

ENV 5335 ECS-CEE 3(3,0) Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes.

ENV 5410 ECS-CEE 3(3,0) Drinking Water Treatment: PR: ENV 4561. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, NO3, DBPs, SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes.

ENV 5505 ECS-CEE 3(3,0) Sludge Management Operations in Environmental Engineering: PR: ENV 4561. Theory and design of sludge management operations and processes in environmental engineering, including stabilization dewatering and ultimate disposal.


EPH 5335 ED-CFCS 3(3,0) Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined.

ESE 3940 ED-TLP 3-16(0,3-16) Internship I — Secondary: PR: EDG 4323 and C.I. Student teaching in a secondary school under the supervision of a certified classroom teacher.

ESE 4943 ED-TLP 7-12(0,3-5) Internship II — Secondary: PR: ESE 3940 or EDE 3942. Student teaching in a secondary school under the direction of a certified classroom teacher. Scheduled concurrent seminars.

ESE 5214 ED-TLP 3(3,0) Secondary School Curriculum Improvement I: PR: Regular Certificate or C.I. Secondary School self studies for curriculum projects, accreditation reports, or staff development.
UCF Courses and Descriptions

ESI 5316 ECS-IEMS 3(3,0)
Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions; linear programming, network models queuing theory, simulation, and nonlinear optimization techniques.

ESI 5359 ECS-IEMS 3(3,0)
Risk Assessment and Management: PR: ESI 5219 or STA 3032. Problems and complexities involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences.

ESI 5419C ECS-IEMS 3(2,2)
Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5316. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing OR analysts. Materials & Supply fee: $45.00

ESI 5451 ECS-IEMS 3(3,0)
Network Based Project Planning, Scheduling, and Control: PR: ESI 4312 or ESI 5316. Probabilistic and deterministic approaches for planning, scheduling, and controlling complex, large-scale projects. PERT, CPM, resource leveling, and network analysis.

ESI 5531 ECS-IEMS 3(3,0)
Discrete Systems Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated.

EST 3211 ECS-ENT 3(3,0)
Wave Photonics: PR: EST 3222, and EET majors. Wave properties of light, interaction with different media, and photonics technologies and systems based on wave nature of light.

EST 3213 ECS-ENT 3(3,0)
Photonics Simulation: PR: EST 3222. The behavior of light in standard optical systems consisting of both refractive and reflective light. Begin with general optic principles and end with system design. Not open to Physics majors or minors.

EST 3222 ECS-ENT 3(3,0)
Photonics Technology: PR: PHY 2053C, PHY 2054C, MAP 3401, MAC 2312, and MAC 2253 or MAC 2211. Course will introduce engineering technology students to the field of photonics. Light properties, optics, lasers, systems.

EST 3543C ECS-ENT 3(2,2)
Programmable Logic Applications and Device Integration: PR: MAC 1105, EET 3085C, or equivalent. Builds on knowledge of logic fundamentals programming technologies, integrated circuits, and number systems to operate and test systems using programmable logic protocols.

EST 4227 ECS-ENT 3(3,0)
Photonic Sensors and Devices: PR: EST 3213, EST 3211. How light is converted to electrons to incorporate an electronic system. Standard means of detecting light such as photodiodes and charge-coupled devices will be covered.

EST 4236 ECS-ENT 3(3,0)

EST 4256 ECS-ENT 3(3,0)
Photonics Communication: PR: EST 4227, EST 4236. The use of light as media for transmission of information. Modulation techniques, light transmission through different mediums, and detection and demodulation.

EST 4259C ECS-ENT 3(1,4)
Photonic Systems: PR: Engineering Technology senior within 18 hours of graduation, C.I. Senior design project course for the BSEE Photonics concentration.

EST 4502C ECS-ENT 4(3,2)
Metrology and Instrumentation: PR: ETG 3541, EET 3085C, or equivalent. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures, and techniques essential to industrial measurement and laboratory practice are covered. Materials & Supply fee: $10.00.

ETC 4206 ECS-ENT 3(3,0)
Construction Estimating: PR: MAC 1114, & EGN 1111C or equivalent & ETC 4241C. Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are utilized.

ETC 4241C ECS-ENT 3(2,2)

ETC 4242 ECS-ENT 3(3,0)
Construction Contracts and Specifications: The role of construction contracts, architectural specifications, product specifications, industry standards and building codes in the process of building construction.

ETC 4243 ECS-ENT 4(4,0)

ETC 4414C ECS-ENT 3(2,2)

ETC 4415C ECS-ENT 3(2,2)

ETD 3350C ECS-ENT 4(3,0)
Applied CADD: PR: ESI 4312 or ESI 5316. Computer applications of technical drawings and diagrams to the design, development, and manufacture of products. Includes CAD software packages.

ETE 3116 ECS-ENT 3(3,0)

ETE 3418C ECS-ENT 3(2,2)
Computer Numerical Controls - Machining Applications: PR: EST 4305C. Theory of methods and concepts for machining, computer numerical controls/programs, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit.

ETI 3421 ECS-ENT 3(3,0)

ETI 3651C ECS-ENT 3(2,2)
Computer Applications: PR: MAC 1105, and Junior standing. Standard engineering software packages found in most companies, institutions, and organizations to solve engineering problems.

ETI 3671 ECS-ENT 3(3,0)

ETI 3690 ECS-ENT 3(3,0)
Technical Sales: PR: Junior standing or C.I. Application of technical knowledge to sales and service. Relationship of technical sales organization to production, customers, and competitors.

ETI 4150 ECS-ENT 3(3,0)
Spacecraft Quality Assurance And Testing: PR: PHY 2053C. Quality assurance, reliability, and testing of space hardware and software, with the examination of designing, manufacturing, testing, and operation.

ETI 4186 ECS-ENT 3(3,0)
Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components.

ETI 4205 ECS-ENT 3(3,0)
Applied Logistics: PR: ETI 3116 or C.I. Introduction to logistics. Emphasis on practical applications. Includes systems engineering, cost systems effectiveness, reliability, maintainability, system functional analysis, logistic support analysis, life cycle cost analysis.

ETI 4381 ECS-ENT 3(3,0)
Ground System Design: PR: PHY 2053C. Fundamentals of ground system design and operation, its architecture and technology. Cost and performance trade offs in the spacecraft-to-ground communications link and ground system design.

ETI 4382C ECS-ENT 3(1,4)
Launch Processing Technology: PR: or CR: ETI 4150 or CI. 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.

ETI 4448 ECS-ENT 3(3,0)
Applied Project Management: PR: ETI 3651C. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations.
ETI 4635 ECS-ENT 3(3,0)
Technical Administration: PR: ETI 3651C. Techniques of applying management principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service.

ETI 4640 ECS-ENT 3(3,0)
Operations Management for Technologists: PR: ETI 4625. Scheduling techniques (PERT, CPM), are presented. Time Study Methods, Work Sampling and MTM are covered.

ETI 4661C ECS-ENT 3(2,2)
Applied Facilities Planning and Design: PR: ETI 3421, engineering drawing and senior standing. The design of manufacturing facilities and material handling systems.

ETI 4700 ECS-ENT 3(3,0)
Occupational Safety: PR: Junior standing. Accident prevention and the operation of an industrial safety program. Basic requirements of the Occupational Safety and Health Act standards.

ETI 4835 ECS-ENT 3(3,0)
Rocket Propulsion Technology: PR: PHY 2053C, Calculus I, II, CAD. Principles of rocketry; solid, liquid and hybrid rocket stages; specific impulse computations; fuel and thrust computations; nose cone, and nozzle designs; ignition mechanisms.

ETI 4836 ECS-ENT 3(3,0)
Space Systems Technology: PR: PHY 2053C. Applied space technology, design of space systems, space environment, flight dynamics, atmospheric drag, power supply, communications technology. May be repeated for credit.

ETI 4837C ECS-ENT 3(2,2)
Technology of Small Space Payloads: PR: ETI 4838 and high level programming lang. Principles of technology in the design of small rocket and microsatellite payloads; power requirements; telemetry requirements of data transmission; thermal control; shock and vibration tests. Materials & Supply fee: §34.60

ETI 4838 ECS-ENT 3(3,0)
Flight Dynamics Technology: PR: PHY 2053C, Calculus I, II, CAD. Orbital trajectory design; analysis of vehicle sustained g-forces; vehicle vibration analysis; orbital maneuvering; atmospheric re entry; launch windows; rocket apex and down range computations; wind corrections and launch angles.

ETI 4839 ECS-ENT 3(3,0)
Space Electro-Optics Technology: PR: PHY 2053C, Calculus I, II, CAD. Engineering aspects of current electro-optics and laser-optics technology in theory and application, including design, system integration, system alignment, system calibration, and testing.

ETM 4220 ECS-ENT 4(4,0)
Applied Energy Systems: PR: MAC 2523 or MAC 2311; Chemistry, College Physics. Introduction to energy, work, and thermal systems and processes. Applications of heat energy with emphasis on solar energy.

ETM 4225 ECS-ENT 3(3,0)
Manufacturing of Photonic: PR: EST 3222. Manufacturing processes and practices of photonic devices and systems. Tolerance studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photonic manufacturing.

ETM 4232C ECS-ENT 4(3,2)
Applied Heat Transfer: PR: ETG 3541 or equivalent, MAC 2523 or MAC 2311. An introduction to the basic concepts and applications of conduction, convection and radiation heat transfer. Basic energy balances and their applications are emphasized. Study state and transient phenomena are evaluated, including numerical solutions.

ETM 4331C ECS-ENT 4(3,2)
Applied Fluid Mechanics: PR: MAC 2253 or MAC 2311; PHY 2053C or equivalent. An introduction to the basic concepts of hydrostatics and hydrodynamics covering fluid statics, flow of ideal fluids, continuity of mass, impulse and momentum principles, conservation of energy, flow of fluid in pipes, etc.

ETM 4403C ECS-ENT 3(2,2)
Applied Kinematics: PR: ETG 3541 and Engineering Drawing. Analysis and design of machine elements and mechanisms involving velocities and accelerations of components, linkages, gears, and cams.

ETM 4512C ECS-ENT 3(2,2)

ETM 4755 ECS-ENT 4(4,0)
Applied Air Conditioning: PR: ETM 4331C. Analysis of body comfort, psychrometrics, heating and cooling load, specification of air conditioning systems, air distribution systems and system piping requirements.

EUF 2000 AS-HIST 3(3,0)
Western Civilization I: A survey of western civilization from ancient to 1648.

EUF 2000H AS-HIST 3(3,0)

EUF 2001 AS-HIST 3(3,0)
Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUH 2000.

EUF 2001H AS-HIST 3(3,0)

EUF 3122 AS-HIST 3(3,0)
Medieval Society and Civilization: PR: EUH 2000 and 2001 or C.I.

EUF 3142 AS-HIST 3(3,0)
Renaissance and Reformation: PR: EUH 2000 and 2001 or C.I. Influence of Renaissance humanism on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years' War.

EUF 3235 AS-HIST 3(3,0)
Romanticism and Realism: PR: EUH 2000 and 2001 or C.I. Napoleon and nationalism; new ideas; conservation; liberalism, romanticism, republicanism and socialism; urbanization, technology and mass culture, religious decline; Realpolitik, racism, imperialism, and militarism.

EUF 3242 AS-HIST 3(3,0)
Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare.

EUF 3281 AS-HIST 3(3,0)
Second World War and Rebirth of Europe: PR: EUH 2000 and 2001 or C.I. Origins of World War II; Hitler's "New Order," and resistance movements; Cold War; de-Stalinization of Russia; Sovietization of East Central Europe; Western reconstruction, and prosperity.

EUF 3315 AS-HIST 3(3,0)
History of Modern Spain: PR: Modern European History (18th-20th century). The evolution of Modern Spain through its key institutions, cultural as well as social movements, and impact of political and intellectual trends, 1700- Present.

EUF 3413 AS-HIST 3(3,0)

EUF 3431 AS-HIST 3(3,0)
History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-World War II era.

EUF 3431H AS-HIST 3(3,0)
Honors History of Modern Italy: PR: EUH 2001 and consent of Honors. The history of modern Italy from the origins of national unification through the post-World War II era, with honors content.

EUF 3451 AS-HIST 3(3,0)
History of Modern France: PR: EUH 2001, EUH 3242 or C.I. The course traces the evolution of France through the study of French political thought, institutional development, social movements, and international roles from 1700-present.

EUF 3651 AS-HIST 3(3,0)
War and Society: Evolution of weapons, tactics, strategy; role, social status, recruitment of soldiers; influence of military on governments; and international efforts to preserve peace.

EUF 4284 AS-HIST 3(3,0)
Fascism and the Totalitarian Dictatorships: PR: EUH 2000 and 2001 or C.I. Totalitarian ideologies, institutions, and practices in Lenin's and Stalin's Russia. Mussolini's Italy. and Hitler's Third Reich; fascist movements in the non-totalitarian states.

EUF 4400 AS-HIST 3(3,0)

EUF 4465 AS-HIST 3(3,0)
Hitler's Third Reich: PR: EUH 2000 and 2001 or C.I. German nationalism and militarism; World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery.

EUF 4500 AS-HIST 3(3,0)
English History to 1485: PR: EUH 2000 and 2001 or C.I.

EUF 4501 AS-HIST 3(3,0)
English History: 1485-1815: PR: EUH 2000 and 2001 or C.I.

EUF 4502 AS-HIST 3(3,0)
British History: 1815-Present: PR: EUH 2000 and 2001 or C.I.

EUF 4571 AS-HIST 3(3,0)
History of Russia to 1801: PR: EUH 2000 and 2001 or C.I. Kievan State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Role of Orthodox Church.

EUF 4574 AS-HIST 3(3,0)
Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente.

EUH 4574 AS-HIST 3(3,0)

EUH 4582 AS-HIST 3(3,0)
20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War.

EUH 4610 AS-HIST 3(3,0)
Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century.

EUH 4620 AS-HIST 3(3,0)
European Great Powers: 1815-1914: PR: EUH 2000 and 2001 or C.I. Congress of Vienna, Metternich’s system Crimean War, unifications of Italy & Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I.

EUH 4674 AS-HIST 3(3,0)

EUH 5247 AS-HIST 3(3,0)
Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history between 1919 and 1939.

EUH 5285 AS-HIST 3(3,0)
Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WWII.

EUH 5371 AS-HIST 3(3,0)
Colloquium in Spanish History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Spanish history.

EUH 5415 AS-HIST 3(3,0)
Rome and Early Christianity: PR: Graduate status or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual "triumph" within the Roman Empire.

EUH 5546 AS-HIST 3(3,0)
Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British history. May be repeated for credit when content is different. There is no standard syllabus because content is different with each offering.

EUH 5579 AS-HIST 3(3,0)
Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-pres.

EUH 5595 AS-HIST 3(3,0)
Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917.

EUH 5608 AS-HIST 3(3,0)
Colloquium European Intellectual History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history.

EVR 5930 AS-BIOL 1(1,0)
Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit, as course content will differ.

EVT 3062 ED-TLP 3(3,0)
Professional Role of the Vocational Teacher: PR: EVT 3371 or C.I.

EVT 3312 ED-TLP 3(3,0)
Course Construction in Health Occupations Education: PR: EVT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training.

EVT 3365 ED-TLP 3(3,0)
General Methods/Testing Evaluation in Vocational Education: General teaching methods, testing and evaluation. Techniques specific to Vocational Education and Industry Training.

EVT 3367 ED-TLP 3(3,0)
Evaluation of Vocational Instruction: PR: EVT 3371 or C.I. Study, practice, and achievement of competency in assessing student cognitive, affective, and psychomotor performance in vocational education.

EVT 3371 ED-TLP 3(3,0)
Course Construction in Industrial Education: PR: EVT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA.

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.

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.

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.

EVT 5254 AS-PHYS 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.

EVT 5256 AS-PHYS 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.

EXP 3204C AS-PSYCH 4(3,2)
Perception: PR: PSY 3212. PSY 3213C. Consideration of physical and psychological variables in perceptual phenomena. Lecture/Lab.

EXP 3250 AS-PHYS 3(3,0)

EXP 3304 AS-PHYS 3(3,0)

EXP 3404 AS-PHYS 3(3,0)

EXP 3604C AS-PHYS 3(3,0)

EXP 4507C AS-PHYS 3(1,4)

EXP 5208 AS-PHYS 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.

EXP 5254 AS-PHYS 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.

EXP 5256 AS-PHYS 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.

EXP 5445 AS-PHYS 3(3,0)
Psychology of Learning and Motivation: PR: DEP 5067, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior.

FIL 1001 AS-FILM 3(3,0)
Cinema Survey: Introductory course that focuses on different approaches to studying cinema.

FIL 1001H AS-FILM 3(3,0)
Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content.

FIL 1007 AS-FILM 3(3,0)
Foundations of Story: Analysis of dramatic and cinematic narrative structures, both plot and character, from an historical and cultural perspective.
FIL 1008 AS-FILM 3(3,0)
Cinematic Expression/Aesthetics: Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Materials & Supply fee: $13.00

FIL 1009 AS-FILM 3(3,0)
Cinematic Expression for Majors: PR: FIL 1007 or FIL 1100. Analysis and practice of aesthetic principles essential in film-making, including composition, moving graphics, image design, and lighting styles.

FIL 1100 AS-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.

FIL 1226 AS-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.

FIL 2107 AS-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.

FIL 2200 AS-FILM 3(3,0)
Cinematography I: PR: Film majors, FIL 2274C, FIL 2220. Concepts and tools of cinematography and lighting. Materials & Supply fee: $45.00

FIL 2220 AS-FILM 3(3,0)
Directing I: PR: Film Major, FIL 1008, FIL 3124, FIL 3201C. Introduction to processes and techniques of directing.

FIL 2221 AS-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.

FIL 2224C AS-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.

FIL 2274C AS-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. Materials & Supply fee: $45.00

FIL 2400 AS-FILM 3(2,2)
History of Motion Pictures: The history of motion pictures as art and industry, from 1895 to the present. Materials & Supply fee: $25.00

FIL 2532 AS-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. Materials & Supply fee: $10.00

FIL 3006 AS-FILM 3(3,0)
The Art of the Cinema: An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Materials & Supply fee: $25.00

FIL 3102 AS-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.

FIL 3106C AS-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.

FIL 3124 AS-FILM 3(3,0)
Short Script I: PR: Film majors and FIL 2107. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops.

FIL 3125 AS-FILM 3(3,0)
Short Script II: PR: Film major. FIL 3124. Advanced writing of short scripts in preparation for Capstone 1 and 2 courses.

FIL 3201C AS-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. Materials & Supply fee: $45.00

FIL 3225 AS-FILM 3(3,0)
Acting for Film II: PR: BFA Film majors, FIL 2221 or C.I. Characterization and scene study as it applies to working in front of the camera.

FIL 3229 AS-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.

FIL 3236C AS-FILM 3(3,6)
Advanced Documentary Production: PR: FIL 3300C or FIL 2307. Processes and principles of advanced documentary production to capture on-going reality based situations. Materials & Supply fee: $14.00

FIL 325C AS-FILM 3(3,1)
Cinematic Expression: PR: FIL 2400. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling.

FIL 3269 AS-FILM 3(3,0)
Cinema Directors: PR: FIL 3300C and Film or Cinema Studies major. Major film theories from Second World War period to present. Materials & Supply fee: $10.00

FIL 3286C AS-FILM 3(2,4)
Introduction to Animation: PR: Animation majors only, FIL 3286C, and a satisfactory portfolio review or C.I. Introductory computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Materials & Supply fee: $15.00

FIL 3287C AS-FILM 3(2,4)
Intermediate Animation: PR: Animation majors only, FIL 3286C, and a satisfactory portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. Materials & Supply fee: $15.00

FIL 3297 AS-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.

FIL 3300C AS-FILM 3(3,1)
Film Documentary: PR: Film or Cinema Studies major, FIL 3201C or FIL 3229. The use and analysis of the non-fiction film. Materials & Supply fee: $15.00

FIL 3304C AS-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.

FIL 3307 AS-FILM 3(3,0)
Docudrama: PR: FIL 2220. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics.

FIL 3309 AS-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.

FIL 3401 AS-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.

FIL 3402 AS-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.

FIL 3410 AS-ART 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.

FIL 3412 AS-FILM 3(4,0)

FIL 3418 AS-FILM 3(3,0)

FIL 3503C AS-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. Materials & Supply fee: $10.00

FIL 3504C AS-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. Materials & Supply fee: $10.00

FIL 3510 AS-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.

FIL 3511 AS-FILM 3(3,0)
French New Wave Cinema: PR: FIL 2400. Post-World War II period of the French cinema, emphasizing the work of Renoir, Bresson, Godard, Rohmer, Resnais, and Rivette.

FIL 3512 AS-FILM 3(3,0)

FIL 3513 AS-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.

FIL 3514 AS-FILM 3(3,0)
International Cinema: PR: FIL 2400. Post-World War II period of the international cinema, with emphasis on the
## UCF Courses and Descriptions

**CINEMAS OF EUROPE AND ASIA.**

**FIL 3520 AS-LANG 3(3,0)**
**Italian Film:** This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by some of the most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view.

**FIL 3521 AS-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 a structural, social, economical, and historical perspective with attention to their relationship with French literature. Taught in English.

**FIL 3522 AS-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.

**FIL 3531 AS-FILM 3(3,0)**
**Advanced Story Structure Research:** PR: Majors only. Early and contemporary theories of story structure. Identification of divergent ideas without dilution, development of new language, and recognition of patterns in complex structures.

**FIL 3542 AS-FILM 3(3,0)**
**Cinema Criticism Writing:** PR: ENC 1102, FIL 2400, FIL 3401, FIL 3402 and FIL 3503C. Modes of cinema criticism.

**FIL 3551 AS-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.

**FIL 3625 AS-DIG 3(3,0)**
**Interactive Entertainment:** PR: FIL 3201C 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.

**FIL 3922 AS-FILM 1(1,1)**
**Film Colloquium:** PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is taught by film faculty and guest speakers from the film industry. Course may be repeated. Graded S/U.

**FIL 4103 AS-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.

**FIL 4111C AS-FILM 3(2,3)**
**Feature/TV Writing II:** PR: Film major and FIL 3124. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting.

**FIL 4112C AS-FILM 3(2,3)**
**Feature/TV Writing I:** PR: Film major and FIL 4111C. Advanced writing workshops, principles and methods of adaptation and reader's coverage.

**FIL 4113C AS-FILM 3(2,3)**
**Interactive Writing I:** PR: Junior Standing, Film major, FIL 3124 or Digital Media major. Writing workshop for experienced screenwriters, cold readings, preparing calling card script, marketing scripts and funding sources.

**FIL 4114C AS-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 and principles of design as applied to interactive writing.

**FIL 4127C AS-FILM 3(2,2)**
**Motion Picture Genre:** PR: FIL 2400. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Materials & Supply fee: $10.00

**FIL 4202C AS-FILM 3(2,4)**
**Intermediate Film Production:** PR: Film major, FIL 3201C. Advanced exploration of the aesthetic and technical facets of filmmaking. Materials & Supply fee: $45.00

**FIL 4203C AS-FILM 3(2,4)**
**Capstone I:** PR: FIL 4131C, FIL 3625 or FIL 4208. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Graded S/U. Materials & Supply fee: $45.00

**FIL 4207 AS-FILM 3(3,0)**
**Episodic Production:** PR: Film or Animation Majors. Episodic film production techniques.

**FIL 4208C AS-FILM 3(3,1)**
**Directing I:** PR: Film major and FIL 2220. Principles and practice in directing narrative and/or documentary motion pictures. Materials & Supply fee: $45.00

**FIL 4210C AS-FILM 3(2,4)**
**Cinematography II:** PR: Film major, FIL 3201C, FIL 2200. Advanced principles and practices of cinematography. Materials & Supply fee: $45.00

**FIL 4211C AS-FILM 3(1,3)**
**Capstone II:** PR: Film major and FIL 4203C. Advanced exploration of aesthetic and technical facets of filmmaking. Materials & Supply fee: $45.00

**FIL 4212C AS-FILM 3(1,3)**
**Sound Design I:** 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.

**FIL 4213C AS-FILM 3(3,0)**
**Sound Design II:** PR: FIL 4212C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format.

**FIL 4223 AS-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.

**FIL 4228 AS-FILM 3(3,0)**
**Directing III:** PR: Film major, FIL 2200 and FIL 4208C. Advanced processes and techniques of directing. Materials & Supply fee: $45.00

**FIL 4262C AS-FILM 4(3,0)**
**Special Problems in Film Design:** A series of exercises in craft, techniques, and design for film production, including animation. Materials & Supply fee: $20.00

**FIL 4280 AS-DIG 3(3,0)**
**Animated Film-History for non-film majors:** PR: FIL 3410. Evolution of animation since World War II.

**FIL 4284C AS-FILM 3(3,1)**
**Non-Linear Editing:** PR: Film major and FIL 3201C. Provide basic working knowledge of Avid editing system, to edit assigned projects, give basic understanding of editorial styles and techniques in film story telling. Materials & Supply fee: $45.00

**FIL 4288C AS-ART 3(2,4)**
**Advanced Animation:** PR: Animation majors only, FIL 3296C, FIL 3297C, 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. Materials & Supply fee: $15.00

**FIL 4294C AS-FILM 3(3,2)**
**Editing II:** PR: Film major and FIL 2774C. Theory, techniques and practices in picture editing. Materials & Supply fee: $45.00

**FIL 4301C AS-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.

**FIL 4302C AS-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.

**FIL 4411 AS-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.

**FIL 4506C AS-FILM 3(2,2)**
**Genre Writing:** PR: Film major, FIL 3503C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc.

**FIL 4564 AS-FILM 3(3,0)**
**Africana Cinema:** PR: FIL 3503C, FIL 3504C. Aesthetics, theory and practice of filmmaking in the African Diaspora.

**FIL 4574 AS-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.

**FIL 4602 AS-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 which deals with issues relating to the organization and production of motion pictures.

**FIL 4604 AS-FILM 3(3,0)**
**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.

**FIL 4607 AS-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.

**FIL 5609 AS-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 documents and the Internet.

**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...
housed, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning.

FIN 3303 BA FIN 3(3,0)

FIN 3403 BA FIN 3(3,0)
Business Finance: PR: Junior standing and business major or minor, ACG 2021, ACG 2071, ECO 2013 and ECO 2023. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets.

FIN 3403H BA FIN 3(3,0)
Business Finance - Honors: PR: Finance major, ACG 2021, 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.

FIN 3414 BA FIN 3(3,0)
Intermediate Corporate Finance: PR: Finance major, FIN 3403, In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined.

FIN 3470 BA FIN 3(3,0)

FIN 3504 BA FIN 3(3,0)

FIN 3413 BA FIN 3(3,0)
Management of Financial Institutions: PR: Finance major, FIN 3303 and FIN 3403. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered.

FIN 3424 BA FIN 3(3,0)
Commercial Bank Management: PR: Finance major, FIN 3303. Analysis of the intersections of commercial banking policies and an analysis of current approaches to managing specific bank products.

FIN 4424 BA FIN 3(3,0)
Advanced Topics in Financial Management: PR: Finance major, FIN 3414 and FIN 4453. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively.

FIN 4453 BA FIN 3(3,0)
Financial Models: PR: Finance major, FIN 3403, FIN 3414, and FIN 3504. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers.

FIN 4514 BA FIN 3(3,0)
Portfolio Analysis and Management: PR: Finance major, FIN 3303 and FIN 3504. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques.

FIN 4521C BA FIN 4(3,1)
Applied Portfolio Management I: PR: Finance major, FIN 3403, FIN 3504, and CI. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of Equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal.

FIN 4522C BA FIN 4(3,1)
Applied Portfolio Management II: PR: Finance major, FIN 4521C, and CI. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing.

FIN 4533 BA FIN 3(3,0)
Financial Derivatives: PR: Finance major, FIN 3303 and FIN 3504. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered.

FIN 4604 BA FIN 3(3,0)

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.

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.

FIN 4941 BA FIN 3(0,3)
Finance Internship: PR: Finance or Real Estate major, minimum overall GPA of 2.75, consent of department chair. Supervised finance or real estate work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U.

FIN 5405 BA FIN 3(3,0)
Financial Concepts: PR: Acceptance into the graduate program, ACG 5005 and ECO 5005 and ECO 5415 or equivalents. Effects of financial decisions upon the firm, interrelationships of these effects and alternatives available to financial managers in making these financial decisions.

FIN 5407 BA FIN 1.5(1,5,0)
Financial Foundations: PR: Graduate standing or CI. Effects of financial decisions upon the firm, interrelationships of these effects and alternatives available to financial managers in making these financial decisions.

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 CI. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language diversity.

FLE 4290 ED TLP 2(2,0)
Technology in the Foreign Language Classroom: PR: EME 2400, EDG 4323. Applications of technology in the foreign language classroom including use of the Web, email, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit.

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.

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.

FLE 5335 ED TLP 3(3,0)
Foreign Language Methods at the Elementary Level: PR: CI or FLE 4333 or FLE 5870, EDG 4323 or EDG 6236, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit.

FLE 5870 AS-LANG 3(3,0)
Methods of Teaching Foreign Languages: PR: Graduate status or senior standing or CI. This course introduces prominent theories and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels.

FLE 5875 AS-LANG 3(3,0)
Computer Application in Teaching Foreign Languages: PR: Graduate status or senior standing or CI. Survey, analysis, and evaluation of computer software and Internet materials for teaching foreign languages.

FOL 3730 AS-LANG 3(3,0)
Romance Philology: The study of the major Romance languages and their origins as they developed from Classical and Medieval Latin to their linguistic influences such as Arabic and Provencal.

FRE 1005 AS-LANG 1(1,0)
French Diction: This course is especially designed for music and voice students, with an emphasis on musical terms, French songs, and opera libretti.

FRE 1120 AS-LANG 4(4,1)
Elementary French Language and Civilization I: PR: International French Language and Civilization I: This course introduces students to French culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in the language.

FRE 1121 AS-LANG 4(4,1)
Elementary French Language and Civilization II: PR: FRE 1120 or equivalent. Continuation of FRE 1120.

FRE 2200 AS-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.

FRE 2201 AS-LANG 3(3,1)
Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization.

FRE 2240 AS-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.

FRE 2270 AS-LANG 8(16,10)

FRE 3300 AS-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.

FRE 3410 AS-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.

FRE 3420 AS-LANG 3 (3,0)
French Composition: PR: FRE 2201 or equivalent. Development of skills in composition.

FRE 3423 AS-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.

FRE 3440 AS-LANG 3 (3,0)
Business French I: PR: Three semesters of French language. Introduces vocabulary and terminology in various French business activities, as well as standards, procedures, and practices of the French business world.

FRE 3441 AS-LANG 3 (3,0)
Business French II: PR: FRE 3440 or C.I. Introduction to French business language and practices.

FRE 3760 AS-LANG 3 (3,0)
Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues.

FRE 3780 AS-LANG 3 (3,0)
French Phonetics and Diction: French phonology, with emphasis on phonetic groupings.

FRE 3955 AS-LANG 6 (6,0)
Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit.

FRE 4421 AS-LANG 3 (3,0)
Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences.

FRE 4422 AS-LANG 3 (3,0)
Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories.

FRE 4471 AS-LANG 6 (6,0)
Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit.

FRE 4500 AS-LANG 3 (3,0)
French Civilization and Culture: PR: FRE 3420. A survey analyzing development of key elements of French life: its historical, artistic, intellectual, scientific, and spiritual contributions to the world via readings, lectures, films, and other media. Conducted in French.

FRE 4503 AS-LANG 2 (2,0)
Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec.

FRE 4782 AS-LANG 2 (2,0)
Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English.

FRT 4552 AS-LANG 3 (3,0)
Structural Analysis of Beckett's Watt: PR: ENC 1102. An intense study of textual criticism and explications and linguistic analysis of literature with the primary focus on the novel. Course will be taught in English.

FRW 3100 AS-LANG 3 (3,0)
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century.

FRW 3101 AS-LANG 3 (3,0)
Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries.

FRW 3370 AS-LANG 3 (3,0)
Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others.

FRW 3740 AS-LANG 3 (3,0)
The French Literature of Canada: PR: FRE 2201 or equivalent. A survey of the French literature of Canada from the late 19th century to the present, with particular emphasis on the novel and short story.

FRW 3752 AS-LANG 3 (3,0)
French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French.

FRW 3760 AS-LANG 3 (3,0)

FRW 3770 AS-LANG 3 (3,0)
Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French.

FRW 4281 AS-LANG 3 (3,0)
20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckett, Butler, Camus, Mauriac, Malraux and Sarrate.

FRW 4310 AS-LANG 3 (3,0)
Seventeenth Century French Theatre: PR: FRW 3100. Corneille, Racine, and Moliere. A study of the lives and principal works of the authors.

FRW 4324 AS-LANG 3 (3,0)
20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Becket, Camus, Claudel, Caudron, Ionesco, and Sarrie; different literary approaches will also be used.

FRW 4440 AS-LANG 3 (3,0)

FRW 4532 AS-LANG 3 (3,0)

FRW 4552 AS-LANG 3 (3,0)

FRW 4820 AS-LANG 3 (3,0)
Stylistics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts.

FSS 2221C RCHM- 3 (3,1)
Quantity Food Preparation: Basic principles of food and beverage preparation, service, and menu development. Materials & Supply fee: $45.00

FSS 3308 RCHM-HOS 3 (3,0)
Culture and Cuisine: PR: FSS 2221C and HFT 3261. The major historical and geographical developments that have affected the creation of the cuisines of the world.

FSS 3124 RCHM-HOS 3 (3,0)
Supply and Procurement Management: PR: HFT 1000 and junior standing or C.I. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Materials & Supply fee: $45.00

FSS 3232C RCHM-HOS 3 (1,3)
Intermediate Techniques of Food Production: PR: HFT 2200. An advanced food production course which provides the student the opportunity to develop skills in pantry, gardener, garnishing, and convenience foods and services. Laboratory class. Materials & Supply fee: $45.00

FSS 4135 RCHM-HOS 3 (3,0)
Corporate Contract and Managed Services Organizations: PR: HFT 3261. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management.

FSS 4286C RCHM-HOS 3 (3,1)
Catering and Banquet Organization: PR: FSS 2221C and junior standing or C.I. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Materials & Supply fee: $45.00

GEA 4206 ECS-CEE 3 (3,0)
Physical Geography of North America: Analysis of the North American landscape as affected by climate, vegetation, and geomorphology.

GEB 1091C BA-BUS 2 (1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business providing a foundation of leadership, scholarship, and service regarding disciplines in the college.

GEB 2011 BA-MAN 3 (3,0)
Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY.

GEB 2350 BA-MAR 3 (3,0)
Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy.

GEB 3031 BA-MAN 6 (6,0)
The Cornerstone Course: PR: Junior standing and business major or minor. ACG 2071, ECO 2013, ECO 2023, and GGS 2100C. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change.

GEB 3356 BA-FIN 3 (3,0)
Introduction to International Business: PR: Junior standing and business major or minor. ECO 2013, ECO 2023, and ECO 2025.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3356H</td>
<td>Introduction to International Business - Honors</td>
<td>PR: Junior standing and business major or minor. Permission of Honors. ECO 2013. ECO 2023. ACG 2071. Understanding the interdependence of globalized world economy and similarities between domestic and international business domain.</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>Business Plan Preparation</td>
<td>PR: Management major, GEB 4111 and MAN 4802 with a 2.75 or better. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal.</td>
</tr>
<tr>
<td>GEB 4358</td>
<td>International Negotiations and Transactions</td>
<td>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.</td>
</tr>
<tr>
<td>GEB 4361</td>
<td>Business in the International Environment</td>
<td>PR: Finance major, FIN 3403, MAR 3023, MAN 3025. Provides an overall understanding of the nature, magnitude, and importance of the international business sector.</td>
</tr>
<tr>
<td>GEB 4363</td>
<td>Export and Import Management</td>
<td>PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade.</td>
</tr>
<tr>
<td>GEB 5941</td>
<td>Professional Business Practicum</td>
<td>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.</td>
</tr>
<tr>
<td>GEB 5954</td>
<td>Entrepreneurship Field Project</td>
<td>PR: C.I. Technical and business students partner to provide feasibility assessments or business plans related to emerging business opportunities.</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography</td>
<td>As-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.</td>
</tr>
<tr>
<td>GEO 2370</td>
<td>Resources Geography</td>
<td>As-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.</td>
</tr>
<tr>
<td>GEO 3151</td>
<td>GIS for Environmental Studies</td>
<td>AS-LS 3(3,0) GIS for Environmental Studies: PR: CGS 1060C and BSC 201C, or C.I. Geographic information systems (GIS) for understanding spatial environmental data.</td>
</tr>
<tr>
<td>GEO 3151L</td>
<td>GIS for Environmental Studies Lab</td>
<td>As-LS 1(0,2) GIS for Environmental Studies Lab: PR or CR: GEO 3151. Lab to complement GEO 3151. Practical experience in the use of geographic information systems (GIS).</td>
</tr>
<tr>
<td>GEO 3470</td>
<td>World Political Geography</td>
<td>As-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.</td>
</tr>
<tr>
<td>GEO 4131C</td>
<td>Remote Sensing of the Environment</td>
<td>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.</td>
</tr>
<tr>
<td>GEO 4176C</td>
<td>Advanced GIS Applications in Environmental Studies</td>
<td>AS-LS 4(2,4) Advanced GIS Applications in Environmental Studies: PR: GEO 3151C. Use of GIS software for environmental applications such as conservation management.</td>
</tr>
<tr>
<td>GER 1005</td>
<td>German Diction</td>
<td>AS-LANG 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 libretti.</td>
</tr>
<tr>
<td>GER 1120</td>
<td>Elementary German Language and Civilization I</td>
<td>AS-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.</td>
</tr>
<tr>
<td>GER 1121</td>
<td>Elementary German Language and Civilization II</td>
<td>AS-LANG 4(4,1) Elementary German Language and Civilization II: PR: GER 1120 or equivalent. Continuation of GER 1120.</td>
</tr>
<tr>
<td>GER 1130H</td>
<td>Honors Elementary German Language and Civilization I</td>
<td>AS-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.</td>
</tr>
<tr>
<td>GER 1131H</td>
<td>Honors Elementary German Language and Civilization II</td>
<td>AS-LANG 4(4,1) Honors Elementary German Language and Civilization II: PR: GER 1130H or equivalent and permission of Honors. Continuation of GER 1130H, with honors-level content.</td>
</tr>
<tr>
<td>GER 2200</td>
<td>Intermediate German Language and Civilization I</td>
<td>AS-LANG 3(3,1) Intermediate German Language and Civilization I: PR: GER 1121 or C.I. Development of language skills and cultural knowledge at the intermediate level.</td>
</tr>
<tr>
<td>GER 2201</td>
<td>Intermediate German Language and Civilization II</td>
<td>AS-LANG 3(3,1) Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization.</td>
</tr>
<tr>
<td>GER 2210</td>
<td>Intensive German Conversation</td>
<td>AS-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.</td>
</tr>
<tr>
<td>GER 2240</td>
<td>German Conversation</td>
<td>AS-LANG 3(3,0) German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice.</td>
</tr>
<tr>
<td>GER 2270</td>
<td>Intermediate German Study Abroad</td>
<td>AS-LANG 6(6,0) Intermediate German Study Abroad: PR: GER 1121 or equivalent. Intermediate German language and culture taught in the native environment.</td>
</tr>
<tr>
<td>GER 2271</td>
<td>Modern German Civilization Abroad</td>
<td>AS-LANG 2(0,2) Modern German Civilization Abroad: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German.</td>
</tr>
<tr>
<td>GER 3100</td>
<td>Germany - Past to Present</td>
<td>AS-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.</td>
</tr>
<tr>
<td>GER 3272</td>
<td>Modern German Civilization Abroad II</td>
<td>AS-LANG 2(0,2) 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.</td>
</tr>
<tr>
<td>GER 3420</td>
<td>Intensive German Composition</td>
<td>AS-LANG 3(3,0) Intensive German Composition: PR: GER 2201 or equivalent. Development of skills in composition.</td>
</tr>
<tr>
<td>GER 3440</td>
<td>Business German I</td>
<td>AS-LANG 3(3,0) Business German I: PR: GER 2200. Introduction to German business language and practices.</td>
</tr>
<tr>
<td>GER 3441</td>
<td>Business German II</td>
<td>AS-LANG 3(3,0) Business German II: PR: GER 3440. Continuation of Business German I.</td>
</tr>
<tr>
<td>GER 3470</td>
<td>Advanced German Study Abroad</td>
<td>AS-LANG 6(6,0) Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment.</td>
</tr>
<tr>
<td>GER 3760</td>
<td>Advanced German Oral Communication</td>
<td>AS-LANG 3(3,0) Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabularly building with systematic training in dictation and locution, Speeches and oral presentations as well as production and delivery of real-life dialogues.</td>
</tr>
<tr>
<td>GER 3780</td>
<td>German Phonetics and Diction</td>
<td>AS-LANG 3(3,0) German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation.</td>
</tr>
<tr>
<td>GER 4422</td>
<td>Advanced German Grammar</td>
<td>AS-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.</td>
</tr>
<tr>
<td>GER 4510</td>
<td>Life and Culture in Nazi Germany</td>
<td>AS-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.</td>
</tr>
<tr>
<td>GER 4520</td>
<td>Modern Germany</td>
<td>AS-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.</td>
</tr>
<tr>
<td>GEW 3100</td>
<td>Survey of German Literature</td>
<td>AS-LANG 3(3,0) Survey of German Literature: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism.</td>
</tr>
<tr>
<td>GEW 3101</td>
<td>Survey of German Literature II</td>
<td>AS-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.</td>
</tr>
<tr>
<td>GEW 3370</td>
<td>Short Story</td>
<td>AS-LANG 3(3,0) Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries.</td>
</tr>
<tr>
<td>GEW 3480</td>
<td>German Post-War Literature</td>
<td>AS-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.</td>
</tr>
</tbody>
</table>
UF Courses and Descriptions

GEW 4482 AS-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.

GEW 4531 AS-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.

GEY 3001 HPA-HPA 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.

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 bi-psycho-social challenges of women as they age.

GEY 5600 ED-TLP 3(3,0) Physiology of Aging: PR: BSC 2010C or PCB 3060C or PET 4551 or equivalent. The purpose of this course is to develop the student's understanding of the effects of aging on various body systems.

GEY 5648 AS-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 a multidisciplinary and multidisciplinary approach spanning the social sciences and health.

GLY 1030 AS-CHEM 3(3,0) Geology and its Applications: Geologic principles, applications, and hazards including: gemstones, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, vulcanism.

GRA 2101C AS-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 graphical pictures by computer. Topics include graphical software packages and graphics systems. Materials & Supply fee: $15.00.

GRA 2111C AS-ART 3(2,4) Graphic Design I: PR: ART 2201C. Basic principles, concepts, and techniques in graphic design and art for visual publication. Materials & Supply fee: $15.00.


GRA 3113C AS-ART 3(2,4) Type & Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. Materials & Supply fee: $15.00.


GRA 4119C AS-ART 3(2,4) Packaging Design and Display Systems: PR: Acceptance in Graphic Design Concentration and GRA 3100C. The visual concepts of packaging design and display systems. Exploration of materials, structures, function and semantic aspects of the packaging industry.

GRA 4154C AS-ART 3(2,4) Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 3100C, and a satisfactory portfolio review or C.I. Illustration problems involving the use of advanced level techniques in illustration media. May be repeated for credit. Materials & Supply fee: $15.00.

GRA 4196C AS-ART 3(2,4) Advanced Graphic Design: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 3151C and a satisfactory portfolio review or C.I. Practical studio problems, with emphasis on organization of visual design elements. Materials & Supply fee: $15.00.

GRA 4197C AS-ART 3(2,4) Special Problems in Graphic Design: PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3100C, GRA 3112C, GRA 3801C, GRA 4196C, GRA 3151C or ART 3332C, GRA 4154C or ART 4320C, and a satisfactory portfolio review, or C.I. Advanced problems in visual design and reproduction. May be repeated for credit. Materials & Supply fee: $15.00.


GRE 1120H AS-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.

GRE 1121H AS-LANG 4(4,0) Elementary Greek Language and Civilization II: PR: GRE 1120H and permission of Honors. Readings in selected original Greek texts, e.g., Plato's apology. May be repeated for credit.

HAI 1120 AS-LANG 4(4,0) Educational Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading and writing.


HBR 1120 AS-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.

HBR 1121 AS-JUD 4(4,0) Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120.

HBR 2200 AS-JUD 3(3,0) Intermediate Modern Hebrew II: 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.

HBR 2201 AS-JUD 3(3,0) Intermediate Modern Hebrew III: PR: HBR 2200. Further development of modern Hebrew language skills in listening, speaking, reading, and writing.

HBR 3250 AS-JUD 3(3,0) Biblical Hebrew: PR: HBR 1121 or C.I. Grammatical and syntactical structure of Biblical Hebrew.

HBR 3410 AS-JUD 3(3,0) Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent. C.I. Study and practice of contemporary conversational Israeli Hebrew.

HFT 1000 RCHM-HOS 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.

HFT 1350 RCHM-HOS 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.

HFT 1356 RCHM-HOS 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.

HFT 1357 RCHM-HOS 3(0) Golf Event Operations: PR: HFT 1356. Develop, plan, and organize golf tournaments of all types.

HFT 2220 RCHM-HOS 3(0) Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting.

HFT 2254 RCHM-HOS 3(0) Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services.

HFT 2359 RCHM-HOS 3(3.0)

HFT 2403 RCHM-HOS 3(3,0)

HFT 2500 RCHM-HOS 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.

HFT 2750 RCHM-HOS 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.

HFT 3261 RCHM-HOS 3(3,0)
Restaurant Management: PR: HFT 1000 and junior standing or C.I. Discussion of the topics which will lead to the successful management of restaurant and food service organizations.

HFT 3273 RCHM-HOS 3(3,0)
Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare ownership.

HFT 3285 RCHM-HOS 3(3,0)
International Restaurant Corporation Management: PR: HFT 3261. The specific principles of managing a restaurant corporation in the international foodservice marketplace.

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.

HFT 3353 RCHM-HOS 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.

HFT 3354 RCHM-HOS 3(3,0)
Agroecology for Golf Course Management: PR: PR: 3353. Primary roles and responsibilities of the golf course superintendent.

HFT 3355 RCHM-HOS 3(3,0)
Golf Planning & Operations II: PR: PR: 3353. Merchandising and inventory control, golf swing philosophy and leadership models.

HFT 3374 RCHM-HOS 3(3,0)
Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition.

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.

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.

HFT 3471 RCHM-HOS 3(3,0)
Hospitality Enterprises I: PR: Financial Accounting, Managerial Accounting, Computer Competency, Junior standing. Acquaints students with presentation, interpretation and analysis of hotel financial reports. Presents hotel operations cost controls. Explores hospitality MIS.

HFT 3511 RCHM-HOS 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.

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, forming and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability.

HFT 3540 RCHM-HOS 3(3,0)
Guest Services Management: PR: Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry.

HFT 3574 RCHM-HOS 3(3,0)

HFT 3600 RCHM-HOS 3(3,0)

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.

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.

HFT 3700 RCHM-HOS 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 public and private sectors.

HFT 3741 RCHM-HOS 3(3,0)
Meeting Management: PR: HFT 4752 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event.

HFT 3757 RCHM-HOS 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. Materials & Supply fee: $37.00

HFT 3770 RCHM-HOS 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.

HFT 3784 RCHM-HOS 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.

HFT 3785 RCHM-HOS 3(3,0)
Management of Gaming Enterprises: PR: Junior level standing. An in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry.

HFT 3802 RCHM-HOS 3(3,0)
Catering Management: PR: HFT 1000, HFT 2750. Catering sales and operations. Emphasis on logistics, market segments, and service. Materials & Supply fee: $45.00

HFT 3807 RCHM-HOS 3(3,0)
Multi-Unit Food Service Operations: PR: HFT 1000 and junior standing or C.I. The strategy and managerial aspects of chain restaurant management, including organization development, brand building, and industry segments.

HFT 3834 RCHM-HOS 3(3,0)
Topics in Restaurant and Foodservice Management: PR: HFT 3261 and FSS 2221C. Guest lecture series covering contemporary issues in the various segments of the foodservice industry.

HFT 3868 RCHM-HOS 3(3,0)
History and Culture of Wine: PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations.

HFT 3933 RCHM-HOS 1(1,0)

HFT 3949 RCHM-HOS 1.5(0,1.5)
Cooperative Education: Provides paid, pre-professional work experience related to the students’ major while they continue to attend school. Requires achievement of major related learning objectives.

HFT 4250C RCHM-HOS 3(3,1)
Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas, food service lab component.

HFT 4253 RCHM-HOS 3(3,0)
Hotel Operations: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3600; HFT 2750; HFT 2403; HFT 3444; HFT 3540. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Reconciles conflicts between theory and practice in a real life hotel.

HFT 4266 RCHM-HOS 3(3,0)
Restaurant Brand Management: PR: HFT 3261 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry.

HFT 4268 RCHM-HOS 3(3,0)
Case Studies in Restaurant Management: PR: HFT 3261 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management.

HFT 4269 RCHM-HOS 3(3,0)
Case Studies in Multi-Unit Restaurant Management: PR: HFT 3261. Restaurant Management. Application of case study methodology to advanced topics in chain or multi-unit restaurant and foodservice operations.

HFT 4274 RCHM-HOS 3(3,0)
Vacation Ownership Resort Management: PR: HFT 1000, HFT 3273, HFT 4522 or C.I. Comprehensive analysis and understanding of timeshare vacation ownership programs.
sis of applied theories, principles, and techniques used in the management of vacation resorts.

HFT 4275 RCHM-HOS 3(3,0) Development of Vacation Ownership Resorts: PR: HFT 3273 and HFT 4475 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of vacation resorts.

HFT 4277 RCHM-HOS 3(3,0) Yacht, Country, And City Club Management: PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and City Clubs. Emphasis will be placed on operational aspects.

HFT 4281 RCHM-HOS 3(3,0) Restaurant Leadership Strategies and Tactics: PR: Hospitality Management Core and Restaurant Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives.

HFT 4284 RCHM-HOS 3(3,0) Training and Employee Performance in the Foodservice Industry: PR: HFT 2220; HFT 3540; HFT 4266; FSS 4336; HFT 4268; HFT 4345; FSS 3124; FSS 4135. Teaching and training methodologies relative to the service positions in a restaurant. Emphasizes training techniques, guest interaction, and assessment of service performance.

HFT 4286 RCHM-HOS 3(3,0) Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 3690; HFT 2750; HFT 2403; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on interdepartmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening.

HFT 4294 RCHM-HOS 3(3,0) Hospitality Enterprises Management II: PR: C.I. Planning and implementing strategies for managing the human resource in the hospitality/tourism industry.

HFT 4295 RCHM-HOS 3(3,0) Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations.

HFT 4298 RCHM-HOS 3(3,0) Hospitality Business Consulting: PR: HFT 1000 and junior standing or C.I. A systematic approach to Hospitality Management. Students apply their cumulative knowledge in an active learning environment in a small hospitality operation.

HFT 4343 RCHM-HOS 3(3,0) Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2254 and junior standing; or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas.

HFT 4358 RCHM-HOS 3(3,0) Golf Course Facility Design: PR: HFT 3355. Golf course and golf facility design from a functional perspective and from a perspective of form.

HFT 4375 RCHM-HOS 3(3,0) Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors.

HFT 4413 RCHM-HOS 3(3,0) Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations.

HFT 4425 RCHM-HOS 3(3,0) Financial Analysis for Restaurant Managers: PR: HFT 2403, HFT 3431, and HFT 3261. Topics of unit level economics, budgeting, valuation of restaurant enterprise, ownership models, franchising finance, and securing access to capital through debt and equity markets.

HFT 4432 RCHM-HOS 3(3,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry.

HFT 4442 RCHM-HOS 3(3,0) Vacation Ownership Reservations and Database Systems: PR: HFT 1000, HFT 3273, HFT 4274 or C.I. Theories and strategies necessary for owner exchange, information transmission, and financial reporting.

HFT 4453 RCHM-HOS 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry.

HFT 4462 RCHM-HOS 3(3,0) Hospitality Industry Finance: PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing.

HFT 4473 RCHM-HOS 3(3,0) Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operational, financial, and marketing aspects of analyses for hotel development projects.

HFT 4522 RCHM-HOS 3(3,0) Vacation Ownership Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 3273 or C.I. Sales tactics and corporate strategies employed in the sales and marketing of vacation ownership properties.

HFT 4532 RCHM-HOS 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.

HFT 4645 RCHM-HOS 3(3,0) Restaurant Real Estate, Site Selection, and Marketing: PR: Hospitality and Restaurant Management Core or C.I. Explains the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations.

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.

HFT 4722 RCHM-HOS 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.

HFT 4735 RCHM-HOS 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.
Exploring Wines of the World: PR: HFT 1000; HFT 3261; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Materials & Supply fee: $45.00

HIM 4894 RCHM-HOS 3(3,0) International Gastronomy: PR: FSS 2221C, HFT 3700, and C.I. A world view of culture and cuisine that includes an international travel component.

HFT 4949 RCHM-HOS 1-5(0,1,5) Cooperative Education: Provides paid, pre-professional work experience related to the students’ major while they continue to attend school. Requires achievement of major-related learning objectives.

HIM 3006 HPA-HIM 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.

HIM 3116C HPA-HIM 4(3,2) Health Record Organization and Management: PR: HIM 3006C. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization.

HIM 3806L HPA-HIM 4(0,8) Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, 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.

HIM 3816L HPA-HIM 4(0,8) Professional Practice Experience II: PR: HIM 3806L; and CR: HIM 4226C, HIM 4256C, HIM 4344, and HIM 4506. Transcription; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization.

HIM 4226C HPA-HIM 5(3,4) Coding Procedures I: PR: HSC 4500, HSC 3531, or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; DRGs; encoders.

HIM 4256C HPA-HIM 3(2,2) Coding Procedures II: PR: HIM 4226C or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; ICD-9-CM; HCPCS; APGs; encoders.

HIM 4344C HPA-HIM 4(4,2) Health Information Department Management: PR: HIM 3116C; MAN 3025. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning.

HIM 4506 HPA-HIM 3(2,2) Quality Management: PR: HIM 3116C, HIM 4226C. CR: HIM 4256C. Principles and mechanics of quality improvement; utilization review; case management and risk management.

HIM 4656C HPA-HIM 3(2,2) Health Information Management Systems: PR: HSA 4191, HIM 4226C. Vitalization of information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts.
HSA 5198  HPD-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.

HSA 5257  HPD-HP  3(3,0)  ICD9 Coding for Health Services Administrators: PR: HSC 6536, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit.

HSA 5258  HPD-HP  3(3,0)  CPT Coding for Health Services Administrators: PR: HSC 6536 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.

HSC 1931C  HPD-HP  2(1,1)  Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college.

HSC 2000  HPD-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 S/U.

HSC 2100  HPD-HP  3(3,0)  US Healthcare: Introduction and Challenges: Healthcare in the US as a dynamic enterprise: the professionals, array of services and the social and economic forces affecting their performance.

HSC 2921  HPD-HP  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 1931C, EGN 1036C, IDS 1040C, GED 1001C or EDG 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit.

HSC 3110C  HPD-HP  3(2,2)  Medical Self Assessment: Development of clinical skills and understanding of one's health to encourage active participation of individuals in their own health care. Materials & Supply fee: $15.00.

HSC 3157  HPD-HP  3(3,0)  Introduction to Pharmacology: Review of terminology and regulations. Study of drug types and usage.

HSC 3402C  HPD-HP  3(2,3)  CPR & First Aid: To train individuals to accepted and recognized medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies.

HSC 3531  HPD-HP  3(3,0)  Medical Terminology: A study of the language of medicine and allied health specialties, including word construction, definitions, and application of terms.

HSC 3559  HPD-HP  3(3,0)  Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed.

HSC 3593C  HPD-HP  3(2,2)  HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease. Topics include: epidemiology & immunology; basic facts, prevention; legal, economic, and ethical issues; psychosocial aspects; substance abuse; sexuality and decision-making.

HSC 3640  HPD-HP  3(3,0)  Health Law: PR: HSA 3111, HSA 3170, HSA 4201, HSA 4180. Principles of law as applied to the health field, with special reference to health practices.

HSC 4008  HPD-HP  3(3,0)  Professional Development in Health Professions: PR: RET 3026 or C.I. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements, and the impact of disease and technology on the health care industry.

HSC 4148  HPD-HP  2(2,0)  Medical Pharmacology I: Drugs in pulmonary diseases; effects on nervous system, and neuroeffectors, depressants & stimulants; influence on metabolism and endocrines. (MDRV) Bronchodilators, myoclytics, etc.

HSC 4149  HPD-HP  2(2,0)  Medical Pharmacology II: PR: HSC 4148 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists.

HSC 4243  HPD-HP  3(3,0)  Analysis of Instruction in Health Professions: Development of teaching aids, audiovisuals, learning packets. Course development, questioning strategies, evaluation of didactic and clinical performance.

HSC 4500  HPD-HP  3(3,0)  Epidemiology: PR: HSA 3111, STA 2024C or STA 2523. A study of the distribution and determination of diseases and injuries in human population.

HSC 4550  HPD-HP  3(3,0)  Pathophysiological Mechanisms: PR: ZOO 3730C and PCB 3703C, or C.I. A study of pathologic lesions and pathophysiological mechanisms in causation and evolution of the various disease states.

HSC 4564  HPD-HP  3(3,0)  Health Care Needs of the Elderly: PR: HSA 3111, HSA 3170, HSA 4201, HSA 4180, HSA 4191, HSC 4500. Overview of the physical and emotional needs of the elderly, including the institutional health care available.

HSC 4653  HPD-HP  3(3,0)  Health Care Ethics: PR: HSA 3111, HSA 3170, HSA 4201, HSA 4188, HSA 4191, HSC 4500. A study of ethical issues in health care, including life-saving measures, rights to die, transplants, surrogate parenthood, privacy and confidentiality, and decision-making.

HUM 2211  AS-PHI  3(3,0)  Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized.

HUM 2211H  AS-PHI  3(3,0)  Honors Humanistic Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content.

HUM 2230  AS-PHI  3(3,0)  Humanistic Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized.

HUM 2230H  AS-PHI  3(3,0)  Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content.

HUM 3251  AS-PHI  3(3,0)  Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century.

HUM 3255  AS-PHI  3(3,0)  Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period.

HUM 3320  AS-PHI  3(3,0)  Contemporary Multicultural Studies: PR: HUM 2230, Junior standing, or C.I. Studies the confluence of diverse cultures making up North America in the Information Age, focusing on complete primary sources in philosophy, literature, visual arts and music.

HUM 3401  AS-PHI  3(3,0)  Asian Humanities: PR: HUM 2230 or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music.

HUM 3417  AS-PHI  3(3,0)  Hindu Thought and Culture: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from vedic times to the modern age, with emphasis on religion, literature, philosophy, art and music.

HUM 3419  AS-PHI  3(3,0)  Islamic Thought and Culture: PR: HUM 2230, or REL 2300, or C.I. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship.

HUM 3419H  AS-PHI  3(3,0)  Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. With Honors content.

HUM 3431  AS-PHI  3(3,0)  Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art.
HUM 3435 AS-PHIL 3(3,0) Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art.

HUM 3552 AS-PHIL 3(3,0) Christian Thought: PR: ENC 1102. Christian thought from 4th century to present, concentrating on human nature, social justice, the state, war, and attitudes toward women.

HUM 3553 AS-PHIL 3(3,0) Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Deals with the main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad.

HUM 3800 AS-PHIL 3(3,0) Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies.

HUM 4301 AS-PHIL 3(3,0) The Classical Ideal: PR: HUM 2211 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.

HUM 4303 AS-PHIL 3(3,0) The Spiritual Ideal: PR: HUM 2211 and HUM 2230 or C.I. Concerns works of art reflecting spiritual insight or the spiritual quest; mystical impulses contrasted to ethos and pathos.

HUM 4330 AS-PHIL 3(3,0) Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2010, PHI 2111, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performances, bodily and virtual performances, self-identity, and the politics of performance.

HUM 4393 AS-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.

HUM 4516 AS-PHIL 3(3,0) Religion and the Arts: PR: One of: HUM 2211, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with emphasis on the contemporary.

HUM 4554 AS-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.

HUM 4933 AS-PHIL 3(3,0) Senior Research Seminar: PR: Senior standing and Humanities major. Capstone course on research, developing effective oral and written communication skills.

IDS 3701C AS-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 interaction, client/server, n-tier architectures, scalability, optimization, streaming, interactive media objects for storytelling and e-commerce.

IDS 3702C AS-DIG 3(2,2) Internet Engineering: 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 interaction, client/server, n-tier architectures, scalability, optimization, streaming, interactive media objects for storytelling and e-commerce.

IDS 3800 AS-PHIL 3(3,0) Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies.

IDS 4703 AS-DIG 3(0,0) Digital Media Project II: PR: DIG 424L and a minimum grade of "B" (3.0) or better in DIG 3001. Continuation of IDS 4682.

IDS 4728 AS-DIG 3(2,2) 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.

IDS 4786C AS-DIG 4(3,3) Production Software Workshop: PR: COT 3966 and DIG 4204, or C.I. Generating and manipulating digital imagery. Techniques, mechanics, underlying representations and data; introductions to scripting, plug-ins, procedural models.

IDS 5145 ECS-ECS 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.

IDS 5177C UCF-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.

IDS 5401C AS-POLS 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.

IDS 5719 UCF-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.

IDS 5787 AS-DIG 3(3,0) Design for Media: PR: Graduate standing or C.I. Theories and practices of interactive design for digital media content.

IDS 5788 AS-DIG 3(3,0) Digital Media Development: PR: IDS 5787 or C.I. Continuation of IDS 5787. Students will begin developing projects specified by design documents from previous course.

IDS 5789 AS-DIG 3(3,0) Interactive Media Design: PR: DIG 4716L and DIG 3286C 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.

IDS 5790 AS-DIG 3(3,0) Digital Forensics: PR: CGS 5133 (Computer Forensics) or C.I. Application of digital scientific techniques to solve information assurance, forensic and legal problems.

INP 3004 AS-PSYCH 3(3,0) Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations.

INP 3141C AS-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 SU.

INP 3951 AS-PSYCH 3(0,10) Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations.

INP 4252 AS-PSYCH 3(3,0) Advanced Industrial Psychology: PR: INP 3004 and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment.

INP 4313 AS-PSYCH 3(3,0) Organizational Psychology: PR: INP 3004. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development.

INP 5825 AS-PSYCH 3(3,0) Human-computer Interface (HCI) Design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability.

INR 2002 AS-POLS 3(3,0) Internation Relations-Theory and Practice: Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments.

INR 3016 AS-POLS 3(3,0) Global Political Issues: PR: POS 2041 or C.I. Current global political issues from a political development and income gap to gender issues and environmental challenges.

INR 3253 AS-POLS 3(3,0) International Politics of Africa: PR: Junior standing or C.I. An examination of the broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.- African relations.

INR 4011 AS-POLS 3(3,0) Politics of Globalization: PR: INR 2002 or POS 2041 or C.I. Major political causes and consequences of globalization.

INR 4030 AS-POLS 3(3,0) Diplomacy: PR: POS 2041, Junior standing or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena.

INR 4035 AS-POLS 3(3,0) International Political Economy: The international politics of regional and global economic interdependence, with emphasis upon North-South relations, the New International Economic Order, OPEC, and multinational corporations.

INR 4060 AS-POLS 3(3,0) Causes of War: PR: POS 2041 or INR 2002 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict.

INR 4064 AS-POLS 3(3,0) Changing Nature of War: PR: POS 2041 or C.I. The changing nature of war in light of significant changes in technology and international politics.

INR 4074 AS-POLS 3(3,0) Immigration Policy: PR: POS 2041, Junior standing or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact.


INR 4076 AS-POLS 3(3,0) Global Drug Policy: PR: POS 2041, Junior standing or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic systems on drug policy. Selected Latin American and Third World cases.

INR 4085 AS-POLS 3(3,0) Women, Gender, and Globalization: PR: Junior standing, Feminist and gender perspectives in International Relations, Globalization, and International Political Economy.

INR 4102 AS-POLS 3(3,0) American Foreign Policy: Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world.

INR 4104 AS-POLS 3(3,0) Topics and Cases in American Foreign Policy: PR: POS 2041, Jr. standing or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence.

INR 4114 AS-POLS 3(3,0) American Security Policy: PR: POS 2041, Junior standing, or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control.

INR 4115 AS-POLS 3(3,0) Strategic Weapons and Arms Control: Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation.

INR 4224 AS-POLS 3(3,0) Contemporary International Politics of Asia: Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan.

INR 4225 AS-POLS 3(3,0) The Vietnam War: Background of events leading to America's involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts.

INR 4243 AS-POLS 3(3,0) International Politics of Latin America: Study of contemporary U.S.-Latin American relations, interAmerican politics and organization, and the role of Latin America in the world.

INR 4304 AS-POLS 3(3,0) Issues in International Public Policy: PR: POS 2041, Junior standing or C.I. Endogenous and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues.

INR 4335 AS-POLS 3(3,0) Coercion in International Politics: Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups.

INR 4350 AS-POLS 3(3,0) Global Environmental Politics: PR: INR 2002 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels.

INR 4351 AS-POLS 3(3,0) International Environmental Law: PR: Junior standing or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth's biosphere when challenged by national sovereignty and economic and cultural diversity.

INR 4364 AS-POLS 3(3,0) The Intelligence Community: PR: POS 2041 or INR 2002 or CPO 3103 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination.

INR 4401 AS-POLS 3(3,0) International Law I: PR: Junior standing or C.I. The nature, evolution, and sources of international law and such subareas as recognition of states and governments, extraterritoriality, nationality, and aliens.

INR 4402 AS-POLS 3(3,0) International Law II: PR: INR 4401 or C.I. Examination of various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and laws of war.

INR 4404 AS-POLS 3(3,0) Space Law: Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space.

INR 4502 AS-POLS 3(3,0) International Organizations: The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations.

INR 4603 AS-POLS 3(3,0) International Relations Theory: PR: INR 2002. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism.

INR 4714 AS-POLS 3(3,0) Politics of International Trade Policy: PR: INR 2002. Key actors and processes of international trade policy-making at the sub-national, nation-state, regional, and global levels of analysis.

ISM 3005 BA-MIS 3(3,0) MIS Techniques: PR: MIS major or minor, CGS 2100. Introduction to computer use required of users and developers of management information systems.

ISM 3011 BA-MIS 3(3,0) Management Information Systems: PR: Junior standing and business major or minor, CGS 2100 or CGS 1060. An introduction to the management and use of information technology in organizations.

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.
ISM 3013  BA-MIS  3(3,0)
Introduction to Information Systems Management: PR: CGS 2100 or CGS 1060, and MAC 1105 or MAC 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.

ISM 3043  BA-MIS  3(3,0)
Society and Technology: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MAC 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.

ISM 3214  BA-MIS  3(3,0)
Personal Database Productivity: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MAC 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.

ISM 3424  BA-MIS  3(3,0)
Computer-Aided Decision Making: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MAC 1106, and ISM 3011. MIS minor or non-major. Not open to MIS majors. Basic computer and technology. Students are required to develop an e-commerce related business plan and build a prototype Website using a tool.

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.

ISM 3521  BA-MIS  3(3,0)
Business Applications: PR: CGS 2100C or CGS 1060C, and MAC 1105 or MAC 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.

ISM 3530  BA-MAN  3(3,0)
Quality & Productivity Management: PR: MIS major or minor, GES 3031 and MAN 3025. An examination of the principles and theories of quality and operations management in manufacturing and service organizations.

ISM 4090  BA-MIS  3(3,0)

ISM 4113  BA-MIS  3(3,0)
Information Systems Analysis and Design: PR: MIS major or minor, ISM 4212. MIS 3005. Structured approaches to the development of computer-based information systems in business.

ISM 4114  BA-MAN  3(3,0)
Advanced Business Application Development: PR: MIS major or minor, ISM 3005, ISM 4212, CR: ISM 4212, ISM 4113. Theory and practice in developing client/server applications for business and use of modern development tools. Includes principles of multituser, multituser application design and implementation.

ISM 4130  BA-MIS  3(3,0)

ISM 4133  BA-MIS  6(6,0)
Information Systems Analysis, Design, and Implementation: PR: MIS major or minor, ISM 3005, ISM 4212. Same as ISM 4113 and ISM 4130. Comprehensive coverage of analysis, design, and implementation of information systems.

ISM 4122  BA-MIS  3(3,0)
Concepts of Database Design and Administration: PR: MIS major or minor, ISM 3005 and ISM 3011. Design and implementation of relational database in organizations.

ISM 4126  BA-MAN  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.

ISM 4238  BA-MAN  3(3,0)
Business Programming/OOP: PR: MIS major or minor, ISM 3005, ISM 4212, or C.I. This course will provide an introduction to object-oriented programming (OOP) and object-oriented design (OOD).

ISM 4239  BA-MAN  3(3,0)
Advanced Concepts of Database Design: PR: MIS major or minor, ISM 3011. Introduction to database design and implementation.

ISM 4320  BA-MIS  3(3,0)
Distributed Information Systems: PR: MIS major or minor, ISM 3005 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.

ISM 4480  BA-MIS  3(3,0)
Electronic Commerce Systems: PR: MIS major or minor, ISM 3005, ISM 4212, or C.I. This course introduces students to the concept of project management including project scope, cost, time and quality.

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.

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 methods related to the effective utilization of data by organizations. A database life-cycle approach is used to organize course content.

ISM 5229  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.

ISM 5256  BA-MIS  3(3,0)
Concepts of Business Programming: PR: Admission to Graduate Study. Principles of programming including program design, fundamental programming constructs, and database access.

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.

ISM 5507  BA-MIS  3(3,0)
Electronic Agorae: PR: Admission to graduate study or MIS major or minor in term of graduation. Broad exploration of internet tools as vehicles for communication, interaction, decision-making, and community formation. May include issues in ethics, privacy, security, design, implementation, and applications.

ISS 4155  AS-COMM  3(3,0)
Science Fiction and the Social Sciences: A multimedia examination of note-worthy science fiction from the Social Science perspective.

ITA 1005  AS-LANG  1(1,0)
Italian Diction: This course is especially designed for music and voice students, with an emphasis on musical terms, Italian songs, and opera libretti.

ITA 1120  AS-LANG  4(4,1)
Elementary Italian Language and Civilization I: PR: ITA 1121 or equivalent. Designed to continue development of language skills: listening, speaking, reading and writing. Open only to students with no experience in this language.

ITA 1121  AS-LANG  4(4,1)
Elementary Italian Language and Civilization II: PR: ITA 1120 or equivalent. Continuation of ITA 1120.

ITA 2200  AS-LANG  3(3,0)
Intermediate Italian Language and Civilization I: PR: ITA 1121 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture.

ITA 2201  AS-LANG  3(3,0)
Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization.

ITA 2210  AS-LANG  3(3,0)
Intensive Italian Conversation: PR: One year of Italian or
### UCF Courses and Descriptions

**ITW 3101** AS-LANG 3(3,0)
**Italian Conversation:** PR: ITW 2201 or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture.

**ITW 3420** AS-LANG 3(3,0)
**Italian Composition:** PR: ITW 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture.

**ITW 3440** AS-LANG 3(3,0)
**Italian for Business:** PR: ITW 2200. Italian language for business purposes.

**ITW 3472** AS-LANG 3(3,0)
**Renaissance Art Abroad:** PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo.

**ITW 3760** AS-LANG 3(3,0)
**Advanced Italian Oral Communication:** PR: ITW 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.

**ITW 4820** AS-LANG 3(3,0)
**Italian Syntax Abroad:** PR: ITW 3420. A study of Italian Syntax for advanced students of Italian.

**ITT 3480** AS-LANG 3(3,0)
**Study Abroad: Italian Literature in Translation:** PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment.

**ITT 4956** AS-LANG 3(3,0)
**Study Abroad: Modern and Contemporary Italian Culture:** PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment.

**ITW 3100** AS-LANG 3(3,0)
**Survey of Italian Literature I:** PR: ITW 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries.

**ITW 3101** AS-LANG 3(3,0)
**Survey of Italian Literature II:** PR: ITW 2201. Main currents and writers in Italian literature from the 15th century to the present.

**ITW 3600** AS-LANG 3(3,0)
**Dante’s Inferno:** PR: ITW 3100. An in-depth study of Dante’s Inferno. In English.

**JOU 2100C** AS-COMM 3(3,1)
**News Reporting:** PR: Grammar Proficiency and departmental keyboard exam, Journalism Major. Newsgathering and writing for the mass media. Materials & Supply fee: $15.00

**JOU 3004** AS-COMM 3(3,0)
**History of American Journalism:** Development of mass media, leading innovators, and the medias role in the nation’s history.

**JOU 3101** AS-COMM 3(3,0)
**Advanced Reporting:** PR: Journalism major or Magazine Writing minor, meet Grammar Proficiency standard, and a minimum grade of “C” (2.0) in JOU 2100C. Advanced information-gathering and development of news writing skills. Materials & Supply fee: $15.00

**JOU 3200** AS-COMM 3(3,0)
**Editing I:** PR: Journalism major or Magazine Writing minor, meet Grammar Proficiency standard, and a minimum grade of “C” (2.0) in JOU 2100C. Editing copy, writing headlines, managing newsroom operations. Materials & Supply fee: $15.00

**JOU 3202** AS-COMM 3(3,0)
**Editing II:** PR: Journalism major or Magazine Writing minor, a minimum grade of “C” (2.0) in JOU 3200, and a minimum grade of “C” (2.0) in JOU 2100C. Practical aspects of editing. Principles of design. Practice in editing and layout. Materials & Supply fee: $15.00

**JOU 3510** AS-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.

**JOU 4181** AS-COMM 3(3,0)
**Public Affairs Reporting:** PR: Journalism major, and a minimum grade of “C” (2.0) in both JOU 2100C and JOU 3101. Reporting on city, county and state government. Materials & Supply fee: $15.00

**JOU 4224** AS-COMM 3(3,0)
**Magazine Editing and Production:** PR: Journalism major or Magazine Writing minor. The magazine industry, including writing and editing skills, and editorial, business, and production requirements.

**JOU 4300** AS-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.

**JOU 4306C** AS-COMM 3(1,2)
**Critical Writing:** PR: Journalism major or Magazine Writing minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts.

**JOU 4340C** AS-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. Students will write and design news for the Web. Materials & Supply fee: $15.00

**JOU 4341C** AS-COMM 3(1,3)
**On-line Journalism II:** PR: JOU 4340C. Study, design, and development of on-line journalism materials. Materials & Supply fee: $15.00

**JPN 1120** AS-LANG 4(4,1)
**Elementary Japanese Language and Civilization I:** PR: Japanese to enhance knowledge of the sound changes, equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse.

**JPN 1121** AS-LANG 4(4,1)
**Elementary Japanese Language and Civilization II:** PR: JPN 1120 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization.

**JPN 2952** AS-LANG 3(3,0)
**Japanese Cultural Studies Abroad:** PR: JPN 1120 and JPN 2211. Japanese culture through key elements of Japanese life and comprehensive exposure of various aspects of their material cultural heritage. Conducted in Japanese.

**JPN 3760** AS-LANG 3(3,0)
**Advanced Japanese Conversation:** PR: JPN 2111 or equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse.

**JST 3005** AS-JUD 3(3,0)
**Tenets of Judaism:** PR: ENC 1101 and ENC 1102. Values, practices, and beliefs that define Judaism.

**JST 3100** AS-JUD 3(3,0)
**The Hebrew Creative Mind:** Survey of Hebrew Literature in Translation. A survey of the creative expressions of Hebrew civilization as found in the Hebrew Bible, Apocrypha and Pseudepigrapha, the Mishnah, and the Talmud, Medieval Hebrew Poetry and Prose.

**JST 3120** AS-JUD 3(3,0)
**Hebrew Scriptures:** PR: ENC 1102, Junior standing. The Hebrew Bible (Old Testament, in translation) in historical, social, religious, cultural and literary contexts.

**JST 3121** AS-JUD 3(3,0)
**Classic Texts of Judaism:** PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings.

**JST 3125** AS-JUD 3(3,0)
**The Book of Job:** PR: Jr standing, ENC 1102. A textual-thematic study of Book of Job in English translation, exploring the Book of Job as literature, theology and ethics.

**JST 3126** AS-JUD 3(3,0)
**Romantic Love in the Bible:** PR: ENC 1102, Junior standing. The dimensions of romantic love in the Hebrew Bible, focusing on the depiction of human feelings of love and relationship; the nature of man-woman interactions in ancient Israel.

**JST 3144** AS-JUD 3(3,0)
**Dead Sea Scrolls:** PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance.

**JST 3312** AS-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.

**JST 3312H** AS-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 consent.

**JST 3401** AS-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.

**JST 3402** AS-JUD 3(3,0)
**The Jewish People II:** The life and history of the Jews in the medieval and modern worlds.
JST 3450 AS-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.

JST 3481 AS-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, Soloveichik, within the historical context of European immigration to the U.S.

JST 3550 AS-JUD 3(3,0) Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation).

JST 3701 AS-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.

JST 3751 AS-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.

JST 3810 AS-JUD 3(3,0) The Jewish National Movement and Roots of Zionism: Roots of Zionism and Jewish nationalism and their relationship to modern anti-semitism, through analysis of European Jewish history and society.

JST 3820 AS-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.

LAE 4314 ED-TLP 3(3,0) Language Arts in the Elementary School: PR: EDG 4323 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction.

LAE 4342 ED-TLP 3(3,0) Teaching Language and Composition: PR: EDG 4323; CR: LAE 4360 and ESE 3940. Techniques and methods in teaching grammar, usage, dialect, and composition; includes meeting the needs of the new English language learner.

LAE 4360 ED-TLP 4(3,2) English Instructional Analysis: PR: EDG 4323. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school.

LAE 4361 ED-TLP 3(3,0) Literacy Strategies for Middle and High School: PR: EDG 4233 or EVT 3365 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.

LAE 4464 ED-TLP 3(3,0) Survey of Adolescent Literature: This course is designed to explore adolescent literature from both an educational and an historical perspective.

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 intervention components to public schools.

LAE 5295 ED-TLP 1-3(1-3,0) Writing Workshop I: 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.

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 talking.

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.

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.

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.

LAE 5367 AS-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.

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.

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.

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.

LAH 3130 AS-HIST 3(3,0) Latin American History I: PR: EUH 2000 and 2001 or C.I. The Colonial period.

LAH 3200 AS-HIST 3(3,0) Latin American History II: PR: EUH 2000 and 2001 or C.I. The National period.

LAH 3400 AS-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.

LAH 3470 AS-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.

LAH 4742 AS-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.

LAH 5713 AS-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.

LAS 4023 AS-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.


LAT 1120H AS-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.


LAT 1121H AS-LANG 4(4,1) Honors Elementary Latin Language and Civilization II: PR: LAT 1120H or equivalent and permission of Honors. Continuation of LAT 1120H, with honors-level content.


LIN 3640 AS-PSYCH 3(3,0) Psychology of Oral Communication: Psychological principles involved in the communicative process, with application to individuals and groups.

LIN 3716 HPA-COMD 3(3,0) Language Development: Birth Through 8 Years.: PR: DEP 204. Study of the language acquisition process in children from birth through eight years and how meaning is conveyed through sounds, words, and sentences.

LIN 3717 HPA-COMD 3(3,0) Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from birth through eighteen years and how meaning is conveyed through sounds, words, and sentences.

LIN 4100 AS-ENG 3(3,0) History of the English Language: PR: ENC 1102 and Sophomore standing. Study of the English language and its development from Anglo-Saxon to Modern.

LIN 4615 AS-ENG 3(3,0) African-American Styles of Communication: PR: ENC 1102 and Junior Standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinesics, proxemics, paralinguistics, and gender roles.
LIT 5387 AS-ENG 3(3,0) Captives, Housewives, and Coquettes: PR: Graduate status or senior standing or C.I. Course considers early American women’s literature from 17th to 18th centuries.

LIT 5389 AS-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.

LIT 5435 AS-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.

LIT 5556 AS-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.”


MAC 4227 AS-MATH 3(3,0) Advanced Calculus II: PR: MAC 4226 or C.I. Continuation of MAC 4226.

MAC 5210 AS-MATH 4(4,0) Topics in Advanced Calculus: PR: MAC 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.

MAC 5405 AS-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.

MAC 5416 AS-MATH 3(3,0) Foundations of Analysis: PR: MAC 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’s theorems.

MAC 1050 AS-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.

MAC 105H AS-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.

MAC 1114 AS-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 the trigonometric solving. The “NC” grading policy applies to this course.

MAC 2147 AS-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.

MAC 2233 AS-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 2533 or MAC 2311. The “NC” grading policy applies to this course.

MAC 2241 AS-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.

MAC 2253 AS-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 2313 or MAC 2311. The “NC” grading policy applies to this course.

MAC 2254 AS-MATH 3(3,0) Applied Calculus II: PR: MAC 2253 or C.I. Continuation of MAC 2253.

MAC 2281 AS-MATH 4(4,0) Calculus for Scientists & Engineers I: PR: MAC 1105 and MAC 1114. Calculus for Engineering, Chemistry, Physics, and Mathematics students. Not open to students with credit in MAC 2311, MAC 2312, and MAC 2313. The “NC” grading policy applies to this course.

MAC 2281H AS-MATH 4(4,0) Calculus for Scientists and Engineers I (Honors): PR: MAC 1105 and MAC 1114 or Consent of Honors Program. Same material as MAC 2281, taught at the Honors level. Only for Engineering, Chemistry, Physics, and Mathematics students. Not open to student with credit in any other calculus sequence. The “NC” grading policy applies to this course.

MAC 2282 AS-MATH 4(4,0) Calculus for Scientists & Engineers II: PR: MAC 2281. Same material, different order, as MAC 2311, MAC 2312, and MAC 2313. Only for Engineering, Chemistry, Physics, and Mathematics students. Not open to students with credit in MAC 2311, MAC 2312, and MAC 2313.

MAC 2282H AS-MATH 4(4,0) Calculus for Scientists and Engineers II (Honors): PR: MAC 2281H or MAC 2281, and consent of Honors Program. Same material as MAC 2282, taught at the Honors level. Only for Engineering, Chemistry, Physics, and Mathematics students. Not open to students with credit in any other calculus sequence.

MAC 2283 AS-MATH 4(4,0) Calculus for Scientists & Engineers III: PR: MAC 2282. Same material, different order, as MAC 2311, MAC 2312, and MAC 2313. Only for Engineering, Chemistry, Physics, and Mathematics students. Not open to students with credit in MAC 2311, MAC 2312, and MAC 2313.

MAC 2283H AS-MATH 4(4,0) Calculus for Scientists and Engineers III (Honors): PR: MAC 2282H or MAC 2282 and consent of Honors Program. Same material as MAC 2283, taught at the Honors level. Only for Engineering, Chemistry, Physics, and Mathematics students. Not open to students with credit in any other calculus sequence.

MAC 2311 AS-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.

MAC 2311H AS-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.

MAC 2312 AS-MATH 4(4,0) Calculus with Analytic Geometry II: PR: MAC 2311 or C.I. Continuation of MAC 2311.

MAC 2312H AS-MATH 4(4,0) Calculus with Analytic Geometry II (Honors): PR: Permission of Honors. Continuation of MAC 2311H.

MAC 2313 AS-MATH 4(4,0) Calculus with Analytic Geometry III: PR: MAC 2312 or C.I. Continuation of MAC 2312.

MAC 2313H AS-MATH 4(4,0) Calculus with Analytic Geometry III (Honors): PR: Permission of Honors. Continuation of MAC 2312H.

MAC 3103H AS-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.

MAC 2104 AS-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.

MAC 4203 AS-MATH 4(4,0) Combinatorics and Graph Theory: PR: MAC 2312 and STA 2023. Counting principles, inclusion/exclusion principle, recurrence relations, generating functions, properties of graphs and digraphs, trees, path problems, coloring planar, connectedness matchings and coverings, applications.

MAC 5205 AS-MATH 3(3,0) Combinatorics and Graph Theory: PR: MAC 4203, graduate status or senior standing, or C.I. Polya’s theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications.

MAE 2801 ED-TLP 4(3,1) Elementary School Mathematics: PR: MAC 1105 or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry.

MAE 4300 ED-TLP 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.
MAE 4326 ED-TLP 3(3,0) How Children Learn Mathematics: PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques.

MAE 4360 ED-TLP 4(3,2) Mathematics Instructional Analysis: PR: EDG 4333. 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.


MAE 5318 ED-TLP 3(3,0) Current Methods in Elementary School Mathematics: PR: EDG 4323. Strategies of instruction of concepts of number, geometry, and measurement; instructional materials. (Meets Elementary Education certification requirements.)

MAE 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 5-8. The use of technology, cooperative learning, ESOL, and manipulatives is considered.

MAE 5336 ED-TLP 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4323 or EDG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities.

MAE 5935 AS-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

MAN 3025 BA-MAN 3(3,0) Management of Organizations: PR: Junior standing and business major or minor, ACG 2071, ECO 2013, ECO 2023. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control.

MAN 3025H BA-MAN 3(3,0) Honors Management of Organizations: PR: Junior standing and business major or minor, permission of Honors, ECO 2013, ECO 2023 and ACG 2071. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students.

MAN 3301 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.

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.

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.

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.

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.

MAN 4320 BA-MAN 3(3,0) Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations.

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.

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.

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.

MAN 4441 BA-MAN 3(3,0) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations.

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.

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.

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.

MAN 4720 BA-MAN 3(3,0) Strategic Management: PR: Completion of the remainder of the Core Curriculum, graduate level, and business major or minor. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities.

MAN 4720H BA-MAN 3(3,0) Honors Strategic Management: PR: Permission of Honors and Graduating semester. Capstone course integrates and applies management theories, and frameworks to tackle modern organizational planning problems, and opportunities. Honors content.

MAN 4802 BA-MAN 3(3,0) Entrepreneurship: PR: Management major or minor, MAN 3025, FIN 3403, and MAR 3023. Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing financing and developing a new venture.

MAN 4941 BA-MAN 3(0,3) 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.

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.

MAN 5050 BA-MAN 2(2,0) Management Concepts: PR: Acceptance in MBA program. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control.

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.


MAP 2302H AS-MATH 3(3,0) Differential Equations (Honors): PR: Permission of Honors and MAC 2313 or C.I. Methods of solution for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines.

MAP 3401 ECS-ENT 3(3,0) Problem Analysis: PR: MAC 2313 or MAC 2293 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology.

MAP 4103 AS-MATH 3(3,0) Mathematical Modeling: PR: MAC 2311 or MAC 2251, and MAP 2302. An overview of model construction. Model fitting, optimization models, empirical construction and modeling dynamic behavior.

MAP 4153 AS-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.

MAP 4171 AS-MATH 3(3,0) Optimization for Actuarial Science: PR: MAC 2312 and STA 2023. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation.

MAP 4363 AS-MATH 3(3,0)

MAP 4364 AS-MATH 3(3,0)
Applied Boundary Value Problems II: PR: MAP 4363 or C.I. Legendre polynomials and Bessel functions. The theory of Sturm-Liouville. Separation of variables. Applications involving the wave equation, heat equation and equation of Laplace.

MAP 4371 AS-MATH 3(3,0)
Numerical Methods for Differential Equations: PR: MAC 2283 or MAC 2213, MAS 3105 or C.I. Numerical theory and practices used in solving ordinary differential equations and PDE. Covers Euler's method, trapezoidal rule, multi-step methods, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability.

MAP 5106 AS-MATH 3(3,0)
Introduction to Quantitative Aspects of Modeling and Simulation: PR: MAC 2253, 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.

MAP 5117 AS-MATH 3(3,0)
Mathematical Modeling: PR: STA 4321, MAC 4303, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models.

MAP 5336 AS-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.

MAP 5385 AS-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.

MAP 5396 AS-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.

MAP 5404 AS-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.

MAP 5407 AS-MATH 3(3,0)

MAP 5426 AS-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.

MAP 5435 AS-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.

MAP 5514 AS-MATH 3(3,0)
Linear and Nonlinear Waves I: PR: MAP 2302, MAP 4363, and graduate status or senior standing, or C.I. Equations of motion in inviscous and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves.

MAP 5931 AS-MATH 11(1,0)
Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and presenting current investigations. Different branches of mathematics will be presented for a sense of diversity.

MAR 3023 BA-MAR 3(3,0)
Marketing: PR: Junior standing and business major or minor. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad.

MAR 3023H BA-MAR 3(3,0)
Marketing - Honors: PR: Junior standing and business major or minor. Permission of Honors. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control.

MAR 3323 BA-MAR 3(3,0)
Integrated Marketing Communication: PR: Marketing major or minor, MAR 3023. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs.

MAR 3391 BA-MAR 3(3,0)
Professional Selling: PR: Marketing major or minor, MAR 3023. Written and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling.

MAR 3403 BA-MAR 3(3,0)
Sales Force Management: PR: Marketing major or minor, MAR 3023. An overview of the sales management process. Emphasis on sales program formulation and implementation.

MAR 3503 BA-MAR 3(3,0)
Customer Behavior: PR: Marketing major or minor, MAR 3023. End user and business customer buying behavior, building long-term customer relationships, segmentation of markets and positioning strategies.

MAR 3613 BA-MAR 3(3,0)
Marketing Analysis and Research: PR: Marketing major or minor. MAR 3023 and one of the following: ECO 3401, ECO 3411, STA 2023, STA 3023. Analytical tools and their application to marketing problems and decision making. Forecasting, financial analysis, and acquisition of primary data through market research are emphasized.

MAR 3641 BA-MAR 3(3,0)
Marketing Intelligence: PR: Marketing major or minor, MAR 3023. Contemporary sources and applications of information concerning external forces impacting market decision making.

MAR 3880 BA-MAR 3(3,0)
E-Marketing: PR: Marketing major or minor, MAR 3023, COS 2100. Course provides an in-depth study of the role of the internet in developing marketing strategies and plans.

MAR 4156 BA-MAR 3(3,0)
International Marketing: PR: Marketing major or minor, MAR 3023. Investigates strategy, policy and the variables in international marketing decisions.

MAR 4231 BA-MAR 3(3,0)
Retailing Management: PR: Marketing major or minor, MAR 3023. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc.

MAR 4392 BA-MAR 3(3,0)
Advanced Professional Selling: PR: MAR 3391 and Department Consent. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems.

MAR 4711 BA-MAR 3(3,0)
Sports Marketing: PR: Marketing major or minor, MAR 3023. Study of marketing as it applies to the sports and leisure industry.

MAR 4712 BA-MAR 3(3,0)
Healthcare Marketing: PR: Marketing major or minor, MAR 3023. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers.

MAR 4715 BA-MAR 3(3,0)
Entertainment Marketing: PR: MAR 3023. Application of marketing theory and tools to the marketing of products and services in the entertainment industry.

MAR 4724 BA-MAR 3(3,0)

MAR 4803 BA-MAR 3(3,0)
Marketing Management: PR: Marketing major or minor, MAR 3023 and MAR 3613. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments.

MAR 4804 BA-MAR 3(3,0)
Marketing Strategy: PR: Marketing major or minor, MAR 4803. Marketing problems are explored, with emphasis on strategy formulation and integrative marketing decision-making.

MAR 4841 BA-MAR 3(3,0)
Services Marketing: PR: Marketing major or minor, MAR 3023. Examination of marketing in services industries, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies.

MAR 4941 BA-MAR 3(3,0)
Marketing Internship: PR: Marketing major, application approval, consent of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required.

MAR 5055BA-BAR 1-3(1-3,0)
Marketing Foundations: PR: Acceptance into the graduate program. Study of functions, institutions, and basic marketing of goods in the U.S. economy.

MAR 5941 BA-MAR 3(3,0)
Small Business Consulting: PR: Graduate status, all foundation classes, FIN 4006, MAR 6816. Provides students opportunity to apply knowledge learned in classroom to real business situations. Open to undergraduate majors in the College of Business Administration with approval of the department chair.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS 3105</td>
<td>AS-MATH 4(4,0) Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in Rn, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Form, matrix functions, quadratic forms.</td>
</tr>
<tr>
<td>MAS 3106</td>
<td>AS-MATH 4(4,0) Linear Algebra: PR: MIM 3302, MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. (Only offered spring semester).</td>
</tr>
<tr>
<td>MCB 3203L</td>
<td>BCBS-M&amp;M 1(0,3) Pathogenic Microbiology: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Materials &amp; Supply fee: $45.00</td>
</tr>
<tr>
<td>MCB 4312</td>
<td>BCBS-M&amp;M 3(3,0) Molecular Biotechnology: PR: MCB 3020. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations.</td>
</tr>
<tr>
<td>MCB 4414</td>
<td>BCBS-M&amp;M 3(3,0) Microbial Metabolism: PR: MCB 3202C, CR: BCH 4053. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment.</td>
</tr>
<tr>
<td>MCB 4603</td>
<td>BCBS-M&amp;M 3(3,0) Environmental Microbiology: PR: MCB 3202C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments.</td>
</tr>
<tr>
<td>MCB 5505</td>
<td>BCBS-M&amp;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 to tissue infection.</td>
</tr>
<tr>
<td>MCB 5525</td>
<td>BCBS-M&amp;M 3(3,0) Molecular Biology of Disease: PR: Graduating student, or C.I. An in-depth study of the molecular biological mechanisms of diseases in experimental animal models and human populations.</td>
</tr>
<tr>
<td>MCB 5550</td>
<td>BCBS-M&amp;M 3(3,0) Molecular Virology: PR: Graduating 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.</td>
</tr>
<tr>
<td>MCB 5527</td>
<td>BCBS-M&amp;M 3(3,0) Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4525 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.</td>
</tr>
<tr>
<td>MCB 5654</td>
<td>BCBS-M&amp;M 3(3,0) Applied Microbiology: PR: MCB 3202C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics.</td>
</tr>
<tr>
<td>MCB 5932</td>
<td>BCBS-M&amp;M 3(3,0) Variable Current Topics in Molecular Biology: PR: Graduating standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit.</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>AS-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.</td>
</tr>
<tr>
<td>MHS 2330</td>
<td>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.</td>
</tr>
<tr>
<td>MHS 5005</td>
<td>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.</td>
</tr>
<tr>
<td>MLS 3220c</td>
<td>BCBS-M&amp;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. Materials &amp; Supply fee: $25.00</td>
</tr>
<tr>
<td>MLS 3305</td>
<td>BCBS-M&amp;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.</td>
</tr>
<tr>
<td>MLS 3305L</td>
<td>BCBS-M&amp;M 1(0,6) Hematology Lab: PR: MLS 3305C. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities.</td>
</tr>
<tr>
<td>MLS 3705</td>
<td>BCBS-M&amp;M 3(3,0) Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to the professional phase of the MLS program.</td>
</tr>
<tr>
<td>MLS 3434</td>
<td>BCBS-M&amp;M 3(3,0) Microbiology for Health Professionals: PR: BSC 2010C, CHM 1022 or CHM 2045C. A survey of microbiology for the health professional. Materials &amp; Supply fee: $45.00</td>
</tr>
<tr>
<td>MLS 3530C</td>
<td>BCBS-M&amp;M 3(3,0) Histopathology: PR: Admission to the professional phase of the MLS Program or C.I. Introduction to the professional phase of the MLS program.</td>
</tr>
<tr>
<td>MLS 4420C</td>
<td>BCBS-M&amp;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. Materials &amp; Supply fee: $15.00</td>
</tr>
<tr>
<td>MLS 4430C</td>
<td>BCBS-M&amp;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. Materials &amp; Supply fee: $15.00</td>
</tr>
</tbody>
</table>
| 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. Materials & Supply 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 transfusion matches; antibody identification, leukocyte antigens and identification procedures, problem solving. Materials & Supply 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.

MLS 4625L BCBS-M&M 1(0,3)
Advanced Clinical Chem I Lab: PR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory.

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.

MLS 4630L BCBS-M&M 1(0,3)
Advanced Clinical Chem II Lab: PR: CHM 2205 or C.I. CR: MLS 4630C. Performance of laboratory procedures routinely used in a clinical chemistry laboratory.

MLS 4830C BCBS-M&M 4(4,8)
Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625C, MLS 4630C. Clinical instruction and practice in the clinical chemistry laboratory. Case studies, chemist review, hands on practice both in the student lab and affiliate. Materials & Supply fee: $15.00

MLS 4831C BCBS-M&M 4(4,8)
Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4505C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. Materials & Supply fee: $15.00

MLS 4832C BCBS-M&M 4(4,8)
Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 4625C, MLS 4630C, MLS 4630L. Advanced study of hematology and pathophysiological correlation to hematology disorders. Correlation of case studies and clinical practice in both student labs and clinical affiliates. Materials & Supply fee: $15.00

MLS 4833C BCBS-M&M 4(4,8)
Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4460C. Practical application of modern bacterial procedures with clinical specimens to include mycology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. Materials & Supply 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.

MLS 4910 BCBS-M&M 1(1,0)
Introduction to Clinical Research: PR: MLS 3220C, MLS 4625C, MLS 4550. Introduces MLS students to different types of research within the clinical setting.

MLS 4933 BCBS-M&M 1(1,0)
Medical Technology Seminar: PR: MLS Senior status. Review of MLS coursework, case study discussions and guest lectures describing employment opportunities. May be repeated for credit.

MMC 2004 AS-COMM 3(3,0)
Mass Media: Introduction to the nation's mass media, including newspapers, radio, television, magazines, advertising, and public relations.

MMC 3420 AS-COMM 3(3,0)
Mass Media Research Methods: PR: Communication major. Theory and methods of research used by media professionals and academics, focusing on radio / TV and advertising / public relations research.

MMC 4200 AS-COMM 3(3,0)
Mass Communication Law: PR: Open only to majors in Journalism, AdPR, or RTV or minors in Mass Communication. The legal rights and responsibilities of the mass media.

MMC 4254 AS-COMM 3(3,0)
Ad/Pr campaigns: PR: AD/PR majors only and ADV 3100, PR 4000 and either PUR 3100 or ADV 4101. Planning and managing communication Campaigns that integrate both advertising and public relations strategies.

MMC 4263 AS-COMM 3(3,0)
New Media Technologies: PR: Majors only. RTV 3200. An examination of the technologies impacting the communications media environment and society.

MMC 4300 AS-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.

MMC 4602 AS-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.

MMC 4625 AS-COMM 3(3,0)
Mass Communication Law: PR: Open only to majors in Journalism, Ad/PR, or RTV or minors in Mass Communication. The legal rights and responsibilities of the mass media.

MMC 4626 AS-COMM 3(3,0)
New Media Technologies: PR: Majors only. RTV 3200. An examination of the technologies impacting the communications media environment and society.

MMC 4300 AS-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.

MMC 4602 AS-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.

MUC 1101C AS-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.

MUC 2104C AS-MUSIC 2(1,1)
Composition II: PR: MUC 1101C and Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit.

MUC 3105C AS-MUSIC 2(1,1)
Composition III: PR: MUC 1101C and MUC 2104C. Continuation of Composition II. Competence determined by faculty jury.

MUC 3311 AS-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.

MUC 4106C AS-MUSIC 2(1,1)
Composition IV: PR: MUC 1101C, MUC 2104C, MUC 3105C. Continuation of Composition III. Competence determined by faculty jury.

MUC 4133 AS-MUSIC 3(3,0)
MIDI Sequencing III: PR: MUC 4441, Junior standing or C.I. Technical aspects of MIDI usage, including MIDI specification, sysEx, and MIDI machine control.

MUC 4441 AS-MUSIC 3(3,0)
MIDI Sequencing II: PR: MUC 3311, Junior standing or C.I. Continuation of sequencing, sampling, and inactive digital music technology.
MUC 4611C AS-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.


MUE 1291 AS-MUSIC 1(0,1) Classroom Instruments: Instruction in recorder and guitar, as it applies to classroom usage for music educators.


MUE 2211 ED-CFCS 3(3,0) Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children.

MUE 2440 AS-MUSIC 1(0,2) String Techniques: PR: MUED major, junior standing or C.I. Class instruction in string playing and pedagogical techniques.

MUE 2450 AS-MUSIC 1(1,0) Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques.

MUE 2460 AS-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.

MUE 2470 AS-MUSIC 1(0,2) Percussion Techniques: PR: MUED major, junior standing or C.I. Study of percussion and pedagogical techniques. May be repeated for credit.

MUE 3210 ED-CFCS 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.

MUE 3451 AS-MUSIC 1(1,0) Woodwind Techniques II: PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds.

MUE 4311 ED-CFCS 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.

MUE 4330 ED-CFCS 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.

MUE 4350 ED-TLP 2-3(2,3,0) General Music Pre-K through Grade 8: PR: Consent of instructor. Designed for music educators. Exploration of music materials and teaching strategies for enhancing student learning through music. Experience with recorder, movement, choral, conducting, and curriculum infusion included. Implementation project available. May be repeated for credit. Graded S/U.


MUE 4481 AS-MUSIC 1(1,0) Jazz Pedagogy: PR: Music major, MUC 1112 and C.I. Methods, materials, and resources for teaching jazz ensembles and improvisation at the secondary school level.

MUE 4963 AS-MUSIC 0(0,1) Music Education Pre-Professional Interview: PR: Internship. I. Demonstration of comprehensive music education skills and knowledge. Graded S/U. May be repeated one time.

MUE 5348C ED-TLP 4(4,0) K-12 Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12. Instructional planning, techniques, and materials for general, choral, and instrumental music education.

MUG 3104 AS-MUSIC 2(1,1) Basic Conducting: Fundamental techniques and practice in conducting.


MUG 3302 AS-MUSIC Variable Instrumental Conducting and Materials: PR: MUG 3104. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials.

MUG 4103C AS-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.

MUH 2071C AS-MUSIC 1(0,1) World Music Survey and Performance Laboratory: PR: MUC 1112 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian.

MUH 3622 AS-MUSIC 3(3,0) Music and Ritual in East Asian Religions: PR: ENC 1102 and one of the following: REL 2300, HUM 2211, HUM 2230, MUL 2720, ANT 2000, ANT 2410, WOH 2012, WOH 2022. The aural and kinetic elements of religious ceremony, focusing on the interplay of music and ritual in Buddhism, Daoism, Confucianism, Shinto.

MUH 4211 AS-MUSIC 3(3,0) History and Literature I: PR: MUC 1112. In-depth study of the development of Western musical styles from antiquity to present.

MUH 4212 AS-MUSIC 3(3,0) History and Literature II: PR: MUH 4211. Continuation of MUH 4211.

MUH 4218 AS-MUSIC 1(1,0) Review of Music History: PR: C.I. A review of music history from Ancient Greece to the present.

MUH 4963 AS-MUSIC 0(0,1) Music History Proficiency Exam: PR: MUH 4212. A comprehensive examination in music history. Required of music majors. May be repeated one time. Graded S/U.

MUL 2010 AS-MUSIC 3(2,1) Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music.

MUL 2016 AS-MUSIC 3(3,0) Evolution of Jazz: Survey of jazz literature and performance.


MUC 3381 AS-MUSIC 3(3,0) Contemporary Popular Music: PR: MUL 2010 or MUC 1112 or C.I. History and analysis of selected genres in recent popular music. Music reading not required.

MUL 3400 AS-MUSIC 2(1,1) Piano Literature I: PR: Major in Music or C.I. Survey of stringed keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems.

MUL 3401 AS-MUSIC 2(1,1) Piano Literature II: PR: MUL 3400. Continuation of MUL 3400.

MUL 3430 AS-MUSIC 2(2,0) String Literature: PR: Music major and C.I. Survey of string solo/chamber music literature from the 16th century to the present.

MUL 3441 AS-MUSIC 2(2,0) Woodwind Literature: PR: Junior standing, C.I. Survey of woodwind literature from the 16th century to the present.

MUL 3442 AS-MUSIC 2(2,0) Brass Literature: PR: Music major (Brass), Junior standing, C.I. Survey of brass solo/ensemble literature from 16th century to present.

MUL 3463 AS-MUSIC 2(2,0) Percussion Literature: PR: Music major (Percussion), Junior standing, C.I. Survey of music written for percussion instruments.

MUL 3603 AS-MUSIC 1(1,1) American/English Song Literature: PR: C.I. Survey of songs written by American or English composers.

MUL 3604 AS-MUSIC 1(1,1) German Song Literature: PR: Music major or C.I. Survey of German song literature.

MUL 3605 AS-MUSIC 1(1,1) French Song Literature: PR: Music major or C.I. Survey of French song literature.

MUM 5806 AS-MUSIC 3(3,0) Performing Arts Management: PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organization (PADO), examining the fundamental elements of administration, audience development, marketing, and fund-raising.

MUN 2023 AS-MUSIC 1(0,2) Synthesizer Ensemble: PR: C.I. and keyboard ability. Rehearsal and performance of music for synthesizers. May be repeated for credit.

MUN 2442 AS-MUSIC 1(1,0) Percussion/Mallet Ensemble: PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit.
MUN 3113 AS-MUSIC 2(0,8)
Marching Band: PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit.

MUN 3123 AS-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. Materials & Supply fee: $10.00

MUN 3143 AS-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. Materials & Supply fee: $10.00

MUN 3283 AS-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. Materials & Supply fee: $5.00

MUN 3323 AS-MUSIC 1(0,3)
Women's Chorus: PR: Audition and C.I. Study and performance of music for women's voices. Open to all students. May be repeated for credit. Materials & Supply fee: $5.00

MUN 3343 AS-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. Materials & Supply fee: $5.00

MUN 3430 AS-MUSIC 1(0,1)
Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. Materials & Supply fee: $5.00

MUN 3433 AS-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. Materials & Supply fee: $5.00

MUN 3443 AS-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. Materials & Supply fee: $5.00

MUN 3444 AS-MUSIC 1(0,1)
Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Materials & Supply fee: $5.00

MUN 3453 AS-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.

MUN 3483 AS-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. Materials & Supply fee: $5.00

MUN 3713 AS-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. Materials & Supply fee: $8.00

MUN 3714 AS-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. Materials & Supply fee: $5.00

MUN 3717 AS-MUSIC 1(0,3)
Jazz/Pop Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit.

MUN 3723 AS-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.

MUN 3813 AS-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. Materials & Supply fee: $5.00

MUN 4476 AS-MUSIC 1(0,2)
Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Materials & Supply fee: $5.00

MUN 3503 AS-MUSIC 3(0,3)
Opera Workshop: PR: C.I. Study of expressive emotion in relation to musical theatre; staging and performance of prepared studies of popular music for vocal ensembles. May be repeated for credit.

MUS 1010 AS-MUSIC 0(9,2)
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.

MUS 1201 AS-MUSIC 1(1,0)
European Diction: A survey of French, German and Italian diction for music educators.

MUS 1952C AS-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.

MUS 2360C AS-MUSIC 3(2,2)
Music and Technology: PR: C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom.

MUS 3954 AS-MUSIC 0(1,0)
Digital Notation: PR: MUC 3311. Work on projects utilizing computer notational software applications.

MUS 4347C AS-MUSIC 3(2,2)
Digital Music Post Production Techniques: PR: MUC 3311, MUC 4441, or C.I. Individual work on media related audio projects with emphasis on artisitic/technical skills.

MUS 4354C AS-MUSIC 3(2,2)

MUS 4645C AS-MUSIC 3(2,2)
Music Production Techniques I: PR: MUC 3311. Audio and video film production process with the video recording format. Audio and multi-media technologies will be used in the synchronization of SMPTE time code.

MUS 4900 AS-MUSIC 1(4,1)
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.

MUS 4956 AS-MUSIC 3(3,0)
Brass Ensemble: PR: C.I. Study and performance of music for wind ensemble and band. May be repeated for credit. Materials & Supply fee: $5.00
skills in sight-singing. Required of Music majors. May repeat one time. Graded S/U.

Demonstration of basic skills in ear-training. Required of Music majors. May repeat one time. Graded S/U.


Jazz Theory I: PR: MUT 1111, MUT 1112, MUT 1241, MUT 1242. Examine traditional harmony, melody, and rhythm.

Jazz Theory II: PR: MUT 3170. Continuation of Jazz Theory I; examining jazz harmony, melody, and rhythm.

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 style.

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.

Jazz Improvisation I: PR: MUT 3171. Jazz improvisation with an emphasis on listening, harmony, arranging, and jazz forms. Melodic and harmonic dictation at the keyboard.

Jazz Improvisation II: PR: MUT 3641 Junior standing or C.I. A continuation of Jazz Improvisation I.

Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit.

Seminar in Music Arranging: Scoring for chorals and instrumental ensembles.

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.


UM Courses and Descriptions

UNIVERSITY OF CENTRAL FLORIDA 2005-2006 Undergraduate Catalog
Performing ensemble. Advanced instruction in organ. Intended for non-music majors. May be repeated for credit.

MVK 1411 AS-MUSIC 2(1,1)
Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit.

MVK 1413 AS-MUSIC 2(1,1)
Organ I: PR: Major in music or consent of chairperson; audition. May be repeated for credit.

MVK 1800 AS-MUSIC 2(2,0)
Keyboard Class I: Keyboard training for non-Music students with no prior keyboard training.

MVK 1801 AS-MUSIC 2(2,0)
Keyboard Class II: PR: MVK 1800. Continuation of Keyboard class I.

MVK 2121 AS-MUSIC 1(0,2)
Class Piano II: PR: MVK 1111 or C.I. Continuation of MVK 1111. Not open to music majors whose major performing medium is piano.

MVK 2421 AS-MUSIC 2(1,1)
Piano II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit.

MVK 2423 AS-MUSIC 2(1,1)
Organ II: PR: MVK 1413 and competence determined by faculty jury. Continuation of MVK 1413. May be repeated for credit.

MVK 3131 AS-MUSIC 1(0,2)
Class Piano III: PR: MVK 1121 or C.I. Continuation of MVK 1121.

MVK 3431 AS-MUSIC 2(1,1)
Piano III: PR: MVK 2421 and competence determined by faculty jury. Continuation of MVK 2421. May be repeated for credit.

MVK 3433 AS-MUSIC 2(1,1)
Organ III: PR: MVK 2423 and competence determined by faculty jury. Continuation of MVK 2423. May be repeated for credit.

MVK 4141 AS-MUSIC 1(0,2)
Class Piano IV: PR: MVK 1131 or C.I. Continuation of MVK 1131.

MVK 4441 AS-MUSIC 2(1,1)
Piano IV: PR: MVK 3431 and competence determined by faculty jury. Continuation of MVK 3431. May be repeated for credit.

MVK 4443 AS-MUSIC 2(1,1)
Organ IV: PR: MVK 3433 and competence determined by faculty jury. Continuation of MVK 3433. May be repeated for credit.

MVK 4640 AS-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.

MVK 4641 AS-MUSIC 1(1,0)
Piano Pedagogy II: PR: C.I. Continuation of MVK 4640. Emphasis on intermediate through advanced levels. May be repeated for credit.

MVK 4960 AS-MUSIC 0(1,0)

MVK 5451 AS-MUSIC 2(1,0)
Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit.

MVK 5453 AS-MUSIC 2(1,0)
Organ V: PR: Graduate status or senior standing and C.I. May be repeated for credit.

MVO 1214 AS-MUSIC 1(0,1)

MVO 5250 AS-MUSIC 1(1,0)
Advanced Secondary Instruction: PR: Graduate status or senior standing, and C.I. Advanced instructional techniques as a secondary instrument or in voice. May be repeated for credit.

MVP 1211 AS-MUSIC 1(0,1)

MVP 1411 AS-MUSIC 2(1,1)
Percussion I: PR: Major in music or consent of chair; audition. May be repeated for credit.

MVP 2421 AS-MUSIC 2(1,1)
Percussion II: PR: MVP 1411 and competence determined by faculty jury. Continuation of MVP 1411. May be repeated for credit.

MVP 3431 AS-MUSIC 2(1,1)
Percussion III: PR: MVP 2421 and competence determined by faculty jury. Continuation of MVP 2421. May be repeated for credit.

MVP 3430 AS-MUSIC 2(2,0)
Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups.

MVP 4441 AS-MUSIC 2(1,1)
Percussion IV: PR: MVP 3431 and competence determined by faculty jury. Continuation of MVP 3431. May be repeated for credit.

MVP 5451 AS-MUSIC 2(1,0)
Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit.

MVS 1211 AS-MUSIC 1(0,1)

MVS 1212 AS-MUSIC 1(0,1)

MVS 1213 AS-MUSIC 1(0,1)

MVS 1214 AS-MUSIC 1(0,1)

MVS 1216 AS-MUSIC 1(0,1)

MVS 1411 AS-MUSIC 2(1,1)
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit.

MVS 1412 AS-MUSIC 2(1,1)
Viola I: PR: Major in music or consent of chair. Audition. May be repeated for credit.

MVS 1413 AS-MUSIC 2(1,1)
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit.

MVS 1414 AS-MUSIC 2(1,1)
Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit.

MVS 1415 AS-MUSIC 2(1,1)
Harp I: PR: Major in music or consent of chair. Audition. May be repeated for credit.

MVS 1416 AS-MUSIC 2(1,1)
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit.

MVS 2421 AS-MUSIC 2(1,1)
Violin II: PR: MPS 1411 and competence determined by faculty jury. Continuation of MVS 2411. May be repeated for credit.

MVS 2422 AS-MUSIC 2(1,1)
Viola II: PR: MPS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit.

MVS 2423 AS-MUSIC 2(1,1)
Cello II: PR: MPS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit.

MVS 2424 AS-MUSIC 2(1,1)
Bass II: PR: MPS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit.

MVS 2425 AS-MUSIC 2(1,1)
Harp II: PR: MPS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit.

MVS 2426 AS-MUSIC 2(1,1)
Guitar II: PR: MPS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit.

MVS 3431 AS-MUSIC 2(1,1)
Violin III: PR: MPS 2421 and competence determined by faculty jury. Continuation of MVS 2421. May be repeated for credit.

MVS 3432 AS-MUSIC 2(1,1)
Viola III: PR: MPS 2422 and competence determined by faculty jury. Continuation of MVS 2422. May be repeated for credit.

MVS 3433 AS-MUSIC 2(1,1)
Cello III: PR: MPS 2423 and competence determined by faculty jury. Continuation of MVS 2423. May be repeated for credit.
**UCF Courses and Descriptions**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>CRH</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVS 3435</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVS 2424 and competence determined by faculty jury. Continuation of MVS 2424. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 3436</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVS 2426 and competence determined by faculty jury. Continuation of MVS 2426. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 4441</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVS 3431 and competence determined by faculty jury. Continuation of MVS 3431. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 4442</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVS 3432 and competence determined by faculty jury. Continuation of MVS 3432. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 4443</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVS 3433 and competence determined by faculty jury. Continuation of MVS 3433. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 4444</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVS 3434 and competence determined by faculty jury. Continuation of MVS 3434. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 4445</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVS 3435 and competence determined by faculty jury. Continuation of MVS 3435. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 4446</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVS 3436 and competence determined by faculty jury. Continuation of MVS 3436. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 4640</td>
<td>AS-MUSIC 2(2,0)</td>
<td>Pr: Music major and C.I. Methods and materials for teaching string instruments in a small group or studio setting.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 5451</td>
<td>AS-MUSIC 2(1,0)</td>
<td>Pr: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 5452</td>
<td>AS-MUSIC 2(1,0)</td>
<td>Pr: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 5453</td>
<td>AS-MUSIC 2(1,0)</td>
<td>Pr: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 5454</td>
<td>AS-MUSIC 2(1,0)</td>
<td>Pr: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 5455</td>
<td>AS-MUSIC 2(1,0)</td>
<td>Pr: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVS 5456</td>
<td>AS-MUSIC 2(1,0)</td>
<td>Pr: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVV 1411</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: Major in music or consent of chair; audition. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVV 1873</td>
<td>AS-MUSIC 1(0,1)</td>
<td>Pr: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in voice. Intended for non-music majors. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVV 2322</td>
<td>AS-MUSIC 1(1,0)</td>
<td>Pr: Concurrent enrollment in MVV 1411 or MVV 2421 or MVV 3431 or MVV 4441. Hearing and singing the American music called &quot;Broadway.&quot; Students learn singing techniques utilizing principles of the Italian &quot;Bel Canto&quot; school. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVV 2421</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVV 1411 and competence determined by faculty jury. Continuation of MVV 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVV 3431</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVV 2421 and competence determined by faculty jury. Continuation of MVV 2421. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVV 4641</td>
<td>AS-MUSIC 1(1,0)</td>
<td>Pr: C.I. Continuation of MVV 4640. Intermediate to advanced levels. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 1411</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: Major in music or consent of chair; audition. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 1412</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: Major in music or consent of chair; audition. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 1413</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: Major in music or consent of chair; audition. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 1414</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: Major in music or consent of chair; audition. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 2421</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 2422</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 2423</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 2424</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 2425</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 3431</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVW 2421 and competence determined by faculty jury. Continuation of MVW 2421. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 3432</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVW 2422 and competence determined by faculty jury. Continuation of MVW 2422. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 3433</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVW 2423 and competence determined by faculty jury. Continuation of MVW 2423. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 3434</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVW 2424 and competence determined by faculty jury. Continuation of MVW 2424. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 3435</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: MVW 2425 and competence determined by faculty jury. Continuation of MVW 2425. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVW 3630</td>
<td>AS-MUSIC 2(2,0)</td>
<td>Pr: C.I. Methods, materials for teaching individuals and woodwind ensembles.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVV 4441</td>
<td>AS-MUSIC 2(1,1)</td>
<td>Pr: Major in music or consent of chair; audition. May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Title</td>
<td>Credits</td>
<td>Prerequisites</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>----------------------------------------------------------------------</td>
<td>---------</td>
<td>-------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>MVW 4442</td>
<td>AS-MUSIC 2(1,1)</td>
<td></td>
<td>Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Continuation of MVW 3432. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>MVW 4443</td>
<td>AS-MUSIC 2(1,1)</td>
<td></td>
<td>Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Continuation of MVW 3433. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>MVW 4444</td>
<td>AS-MUSIC 2(1,1)</td>
<td></td>
<td>Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Continuation of MVW 3434. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>MVW 4455</td>
<td>AS-MUSIC 2(1,1)</td>
<td></td>
<td>Saxophone IV: PR: MVW 3435 and competence determined by faculty jury. Continuation of MVW 3435. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>MVW 5451</td>
<td>AS-MUSIC 2(1,0)</td>
<td></td>
<td>Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>MVW 5452</td>
<td>AS-MUSIC 2(1,0)</td>
<td></td>
<td>Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>MVW 5453</td>
<td>AS-MUSIC 2(1,0)</td>
<td></td>
<td>Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>MVW 5454</td>
<td>AS-MUSIC 2(1,0)</td>
<td></td>
<td>Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>MVW 5455</td>
<td>AS-MUSIC 2(1,0)</td>
<td></td>
<td>Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>NGR 5003</td>
<td>HPA-NURS 2(2,0)</td>
<td></td>
<td>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 diagnosis.</td>
<td></td>
</tr>
<tr>
<td>NGR 5004L</td>
<td>HPA-NURS 1(0,1)</td>
<td></td>
<td>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. Materials &amp; Supply fee: $20.00</td>
<td></td>
</tr>
<tr>
<td>NGR 5090</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Urgent Care for the Advanced Practice Nurse: PR: NGR 6240 or C.I. Advanced practice evaluation and management of clients in urgent care settings.</td>
<td></td>
</tr>
<tr>
<td>NGR 5141</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Pathophysiological Bases for Advanced Nursing Practice: PR: Baccalaureate Degree in Nursing. Critical examination of the physiological and pathophysiological mechanisms affecting individuals.</td>
<td></td>
</tr>
<tr>
<td>NGR 5195C</td>
<td>HPA-NURS 3(2,1)</td>
<td></td>
<td>International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation's health care systems.</td>
<td></td>
</tr>
<tr>
<td>NGR 5252</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>NGR 5635</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>NGR 5637</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>NGR 5638</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Health Promotion: PR: Baccalaureate degree or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness.</td>
<td></td>
</tr>
<tr>
<td>NGR 5660</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>NGR 5714</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Clinical Teaching Strategies for Health Professional Education: PR: EDG 6238 or Teaching Strategies for Health Professionals, or C.I. in depth of the development, implementation, and evaluation of clinical education programs for health profession students. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>NGR 5715</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Instructional Technology Resources for Health Professional Education: PR: EDG 6238, Teaching Strategies for Health Professionals, or C.I. Analysis of effective teaching learning strategies with emphasis on developing techniques for teaching through technology resources.</td>
<td></td>
</tr>
<tr>
<td>NGR 5720</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Organizational Dynamics: PR: Baccalaureate Degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy.</td>
<td></td>
</tr>
<tr>
<td>NGR 5744</td>
<td>HPA-NURS 1(1,0)</td>
<td></td>
<td>Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Social responses to health and illness, health care systems and policies and the role of advanced practice nurses.</td>
<td></td>
</tr>
<tr>
<td>NGR 5745</td>
<td>HPA-NURS 1(1,0)</td>
<td></td>
<td>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 on referral cases.</td>
<td></td>
</tr>
<tr>
<td>NGR 5746</td>
<td>HPA-NURS 1(1,0)</td>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>NGR 5791</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Teaching Strategies for Health Professionals: PR: Bachelors in nursing or consent of instructor. Analysis of internal and external controls on curriculum development for health professionals; application of selected teaching learning theories to classroom and clinical practice.</td>
<td></td>
</tr>
<tr>
<td>NGR 5800</td>
<td>HPA-NURS 4(4,0)</td>
<td></td>
<td>Nursing Theory/Research I: PR: Baccalaureate degree in Nursing or NUR 4836, undergraduate statistics course or C.I. Explores and analyzes the conceptual and theoretical bases of nursing, examines and critiques research designs and methods commonly used in nursing research.</td>
<td></td>
</tr>
<tr>
<td>NGR 5801</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Research Methodology for Advanced Practice Nursing: 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.</td>
<td></td>
</tr>
<tr>
<td>NGR 5871</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models.</td>
<td></td>
</tr>
<tr>
<td>NGR 5880</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Professional Ethics: 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.</td>
<td></td>
</tr>
<tr>
<td>NGR 5930</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Issues in Health Care for the Homeless: 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.</td>
<td></td>
</tr>
<tr>
<td>NGR 5931</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Interdisciplinary Care at End-of-Life: PR: Graduate Status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families, and caregivers to approach end-of-life free from avoidable distress and suffering.</td>
<td></td>
</tr>
<tr>
<td>NUR 1015</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Nursing as a Profession: Professional nursing roles in contemporary society covering a range of topics using discourse methodology that forms a foundation for nursing and health care.</td>
<td></td>
</tr>
<tr>
<td>NUR 3026L</td>
<td>HPA-NURS 1(0,2)</td>
<td></td>
<td>Therapeutic Interventions for Health Professionals: PR: Admission to Nursing Program. Theoretical rationale and psychomotor development for therapeutic interventions in nursing practice. Graded S/U. Materials &amp; Supply fee: $45.00</td>
<td></td>
</tr>
<tr>
<td>NUR 3065</td>
<td>HPA-NURS 2(2,0)</td>
<td></td>
<td>Health Assessment: PR: or C.I. NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients.</td>
<td></td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>HPA-NURS 1(0,1)</td>
<td></td>
<td>Health Assessment Lab: CR: NUR 3065 and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients.</td>
<td></td>
</tr>
<tr>
<td>NUR 3128</td>
<td>HPA-NURS 5(5,0)</td>
<td></td>
<td>Pathophysiology and Pharmacology for Nursing Practice: PR: Admission to the School of Nursing. Concepts and nursing care applications of the pathophysiological basis of illness, and principles of pharmacology.</td>
<td></td>
</tr>
<tr>
<td>NUR 3165</td>
<td>HPA-NURS 3(3,0)</td>
<td></td>
<td>Critical Inquiry: PR: STA 2014C or 2023; NUR 3805 and RN status or NUR 3065. A study of approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research.</td>
<td></td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

NUR 3167 HPA-NURS 1(2,0) Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the SON. NUR 3065, NUR 325L, NUR 3129. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues.

NUR 3235 HPA-NURS 5(5,0) Promoting Physical and Mental Health in the Community: 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.

NUR 3235L HPA-NURS 4(0,4) Clinical Practice in Promoting Physical and Mental Health in the Community: PR: Completion of all Jr. level first semester courses or C.I. Clinical application of biopsychosocial nursing interventions in physical and mental health problems with emphasis on family-centered care in the community. Graded S/U. Materials & Supply fee: $45.00

NUR 3616 HPA-NURS 3(3,0) Promoting Healthy Families Across the Lifespan: PR: Admission to the School of Nursing. Theoretical foundation related to primary care nursing practice with healthy families across the lifespan, including common health concerns related to childbearing, childrearing, adulthood, and aging.

NUR 3616L HPA-NURS 3(0,3) Clinical Practice in Promoting Healthy Families: 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. Materials & Supply fee: $45.00

NUR 3617 HPA-NURS 3(3,0) Promoting Healthy Communities: 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.

NUR 3637 HPA-NURS 5(5,0) Accelerated Promoting Healthy Families and Communities: PR: Admission to Accelerated Second Degree BSN Option, NUR 3065, NUR 3026L, NUR 3825, NUR 3637L. Application of concepts of family and community nursing as it relates to health across the lifespan including childbearing, childrearing, childhood, adulthood, and aging.

NUR 3637L HPA-NURS 2(0,2) Accelerated Clinical Practice in Promoting Healthy Families and Communities: PR: Admission to Accelerated Second Degree BSN option, Coreqs: NUR 3637, NUR 3026L, NUR 3065, 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. Materials & Supply fee: $40.00

NUR 3795 HPA-NURS 3(3,0) Principles of Oncology Nursing: 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.

NUR 3805 HPA-NURS 3(3,0) Transitional Concepts in Nursing I: 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.

NUR 3806 HPA-NURS 1(1,0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse.

NUR 3825 HPA-NURS 2(2,0) The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues.

NUR 3826 HPA-NURS 3(3,0) Biomedical and Legal Issues in Health Care -Honors: PR: Permission of Honors. Includes questions concerning human values, legal and ethical questions arising in health care delivery policy issues and professional practice among licensed health care professionals

NUR 3936 HPA-NURS 3(2,2) International Perspectives of Nursing and Health Care: PR: Enrolled in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit

NUR 4084 HPA-NURS 3(3,0) Transitional Concepts in Nursing II: PR: NUR 3065, NUR 3065, NUR 3165. Enhancement of knowledge from basic Registered Nurse programs and continuation of study from NUR 3065.

NUR 4196 HPA-NURS 3(3,0) Crisis Intervention: PR: Completion of PSY 2012, SYG 2000 or ANT 2000. Crisis theory and techniques; recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions.

NUR 4257 HPA-NURS 3(3,0) Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings.

NUR 4286 HPA-NURS 3(3,0) Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings.

NUR 4525 HPA-NURS 2(2,0) Nursing Intervention in Mental Illness: 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.

NUR 4525L HPA-NURS 1(0,1) Clinical Practice with Mentally Ill Clients: 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. Materials & Supply fee: $15.00

NUR 4636 HPA-NURS 3(3,0) Community as the Continuum of Care: PR: Completion of all Jr. level and Sr. Fall courses or C.I. Theories and principles of community health nursing and application to clinical practice within a community oriented framework for nursing care.

NUR 4636L HPA-NURS 2(0,2) Clinical for Community as the Continuum of Care: 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 S/U. Materials & Supply fee: $45.00

NUR 4639 HPA-NURS 2(2,0) Accelerated Community as a Continuum of Care: PR: NUR 4745, NUR 4745L, NUR 4525, NUR 4525L, NUR 3167. CR: NUR 4945L, NUR 4829, NUR 4636L. Focus on knowledge needed in a community oriented practice model to effect changes in health status and risk, and self care capacity of target population.

NUR 4675 HPA-NURS 3(3,0) Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations.

NUR 4676 HPA-NURS 3(3,0) Health Care of Special Populations: Homeless: PR: Completion of junior level nursing courses or equivalent or C.I. Emphasis on socioeconomic, political, nursing, medical, and mental health practice and research related to care of the homeless.

NUR 4745 HPA-NURS 4(4,0) Nursing Care of Clients with Acute and Life-threatening Illness across Lifespan: PR: Completion of all Jr. level Fall and Spring courses or C.I. Nursing care of individuals and families experiencing acute, unstable, or life-threatening health problems.

NUR 4745L HPA-NURS 4(0,4) Clinical Practice in Caring for Clients with Acute Illness: PR: Completion of all Jr. level Fall and Spring courses or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life threatening health conditions. Graded S/U. Materials & Supply fee: $45.00

NUR 4812C HPA-NURS 4(1,3) Practicum and Role Development for RN's: PR: For students enrolled in the RN-BSN program only. OR: PR: NUR 4636, NUR 4636L, NUR 4637, NUR 4637L. Synthesis of theories and concepts incorporated throughout the curriculum applied to a selected area of nursing practice and directed toward professional role development. Graded S/U.

NUR 4828 HPA-NURS 3(3,0) Leadership and Management Principles: PR: NUR 3065, RN Status or C.I. Scientific theories and principles of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making process.

NUR 4829 HPA-NURS 3(3,0) Accelerated Transitioning into Professional Practice as a Leader: PR: NUR 4745, NUR 4745L, NUR 4525, NUR 4635L, NUR 3167. CR: NUR 4945L, NUR 4829, NUR 4636L. Application of leadership and management principles to the beginning role of the professional nurse.

NUR 4835 HPA-NURS 2(2,0) Role Transition: 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.

NUR 4836 HPA-NURS 3(1,2) Professional Development Seminar in Nursing: PR: Acceptance to RN-MSN program track; Current Florida RN license; CR: NUR 3805. Exploration of the role of the professional nurse.

NUR 4837 HPA-NURS 3(3,0) Health Care Issues, Policy, and Economics: 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4905C</td>
<td>Hispanic Independent Study: PR: NUR 4756C. An opportunity for in-depth study in an area of special interest to the student.</td>
<td></td>
</tr>
<tr>
<td>NUR 4906</td>
<td>Hispanic Independent Study: Directed Study.</td>
<td></td>
</tr>
<tr>
<td>NUR 4907H</td>
<td>Directed Reading/Research: Honors: 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.</td>
<td></td>
</tr>
<tr>
<td>NUR 4930</td>
<td>Health Issues in Minority and Special Populations: PR: Nursing Majors: Junior Level, or C.I. Identify and critically analyze structural and socio-cultural factors that influence the health of minorities and special populations.</td>
<td></td>
</tr>
<tr>
<td>NUR 4934</td>
<td>Holistic Nursing: Explore lived experience of health-wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes.</td>
<td></td>
</tr>
<tr>
<td>NUR 4936</td>
<td>Women's Health Issues: PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit.</td>
<td></td>
</tr>
<tr>
<td>NUR 4942</td>
<td>Selected Nursing Practicum: PR: NUR 4756C and 4758C. An opportunity for an in-depth clinical study in an area of special interest to the student. Graded S/U.</td>
<td></td>
</tr>
<tr>
<td>NUR 4971H</td>
<td>Thesis or Project Works-Honors: PR: Permission of Honors. This course provides students with faculty mentoring through the process of writing and defending the Honors Thesis or Project.</td>
<td></td>
</tr>
<tr>
<td>OSE 3490</td>
<td>Nanophotonics: PR: PHY2049 or C.I. Optical/photonic processes on nano scale and interactions with elements of physics &amp; engineering.</td>
<td></td>
</tr>
<tr>
<td>OSE 5041</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.</td>
<td></td>
</tr>
<tr>
<td>OSE 5050</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.</td>
<td></td>
</tr>
<tr>
<td>OSE 5051L</td>
<td>Electro-Optics 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 operational characteristics.</td>
<td></td>
</tr>
<tr>
<td>OSE 5111</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.</td>
<td></td>
</tr>
<tr>
<td>OSE 5115</td>
<td>Interference and Diffraction: PR: Graduate status or senior standing, or C.I. Interference of light, optical interference, Fraunhofer and Fresnel scalar diffraction, diffraction gratings, temporal coherence, spatial coherence, and partial coherence.</td>
<td></td>
</tr>
<tr>
<td>OSE 5234L</td>
<td>Applied Optics Laboratory: PR: Graduate Standing or C.I. Laboratory Techniques for observing optical phenomena and quantitative experimental study of geometrical optics, optical interferometry, diffraction, and image processing.</td>
<td></td>
</tr>
<tr>
<td>OSE 5312</td>
<td>Fundamentals of Optical Science: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials; wave propagation, introduction to lasers and nonlinear optics.</td>
<td></td>
</tr>
<tr>
<td>OSE 5511</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>OSE 5630C</td>
<td>Thin Film Optics: PR: PHY 4424 or EEL 4440 and OSE 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems.</td>
<td></td>
</tr>
<tr>
<td>PAD 3040</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PAD 3330</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PAD 4034</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PAD 4104</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PAD 4110</td>
<td>Intergovernmental Administration: Various approaches to studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting.</td>
<td></td>
</tr>
<tr>
<td>PAD 4131</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PAD 4144</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PAD 4147</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PAD 4148</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PAD 4153</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PAD 4204</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>PAD 4223</td>
<td>Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysts, focusing on the process of generating and using information.</td>
<td></td>
</tr>
<tr>
<td>PAD 4253</td>
<td>Community &amp; Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional eco-</td>
<td></td>
</tr>
</tbody>
</table>
nomic development strategies, with an emphasis on effective policy setting and planning.

PAD 4325 HPA-PUB 3(3,0) Program Evaluation for Public and Non-Profit Organizations: PR: PAD 3003 or CI. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program.

PAD 4331 HPA-PUB 3(3,0) Land Use and Planning: PR: PAD 3330 or CI. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl.

PAD 4334 HPA-PUB 3(3,0) Urban Design: PR: PAD 3330 or CI. Theories and concepts of the physical, cultural, social and financial factors associated with urban design.

PAD 4351 HPA-PUB 3(3,0) Issues in Environmental Program Management: The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects.

PAD 4390 HPA-PUB 3(3,0) Disaster Mitigation: PR: PAD 3003 or Junior Standing and CI. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters.

PAD 4392 HPA-PUB 3(3,0) Managing Public Emergencies: PR: PAD 3003 or CI. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services.

PAD 4393 HPA-PUB 3(3,0) Emergency Management & Disaster Planning: PR: PAD 3003 or CI. Emergency Management and Disaster Planning on events most likely to affect Florida including reviewing the four phases of Planning, mitigation, response, and preparedness.

PAD 4395 HPA-PUB 3(3,0) Disaster Response and Recovery: PR: PAD 3003 or Junior Standing and CI. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized.

PAD 4414 HPA-PUB 3(3,0) Public Personnel Administration: The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies.

PAD 4446 HPA-PUB 3(3,0) Multiculturalism in Public Administration: PR: PAD 3003 or CI. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity.

PAD 4461 HPA-PUB 3(3,0) Reengineering Government: PR: PAD 3003. Acquaint undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organizations via reengineering.

PAD 4616 HPA-PUB 3(3,0) Privatization: PR: PAD 3003 or CI. Analysis of the process of privatizing existing governmental services, including: privatization decision, creation of RFP or ITB, contract award and contract management.

PAD 4712 HPA-PUB 3(3,0) Information Systems for Public Managers and Planners: PR: PAD 3330 or CI. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data.

PAD 4720 HPA-PUB 3(3,0) Survey Research in Public Administration: Introduction to the concepts, design, methodology, computer applications, and data analysis in applied research in the public sector.

PAD 4803 HPA-PUB 3(3,0) Issues in Urban Administration: To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context.

PAD 4941 HPA-PUB 3-6(0,6) Public Administration Internship: PR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U.

PAD 5041 HPA-PUB 3(3,0) Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored.

PAD 5142 HPA-PUB 3(3,0) Nonprofit Organizations: PR: Admission to certificate program or C.I. Human resource development in nonprofit organizations, including history, governance structures, criteria used to establish nonprofit status, range of organizations, and application of management theory.

PAD 5145 HPA-PUB 3(3,0) 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.

PAD 5146 HPA-PUB 3(3,0) Nonprofit Resource Development: PR: Post-bac status or C.I. Examines human resource development and financial resource development in nonprofit organizations including management issues.

PAD 5336 HPA-PUB 3(3,0) Introduction to Urban Planning: Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning.

PAD 5337 HPA-PUB 3(3,0) Urban Design: Planning techniques such as planned unit developments, capital improvements planning, and growth management, and planning methods, including needs assessment and graphic design.

PAD 5338 HPA-PUB 3(3,0) Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation.

PAD 5356 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level.

PAD 5425 HPA-PUB 3(3,0) Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods.

PAD 5427 HPA-PUB 3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process.

PAD 5806 HPA-PUB 3(3,0) Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer.

PAD 5807 HPA-PUB 3(3,0) Administrative Practice in the Public Sector: The application of various theoretical concepts to the "real world" of public administration. Policy formulation and execution are examined through the case study mode.

PAD 5850 HPA-PUB 3(3,0) Grant and Contract Management: PR: PAD 3003 or CI. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation.

PAF 2102 HPA-HPA 2(2,0) Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers.


PAF 3930 HPA-PUB 1(1,0) American Humanics Human Service Workshop: PR: American Humanics minor, junior standing and ENC 1102, or C.I. Designed as forum for exchange between students and professional nonprofit personnel on various leadership and management issues. American Humanics student association activities are included. May be repeated for credit.

PAF 4948 HPA-PUB 3(0,3) American Humanics Internship: PR: Enrollment in American Humanics Certification Program, completion of 2 AH restricted course electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanics certification program. Requires minimum of 300 hours placement in nonprofit human services organization.


PCB 3024L AS-BIOL 2(0,8) Molecular Cell Biology Laboratory: PR or CR: PCB 3023. Critical thinking, technical skills, and integration of biochemical, molecular, and microscopic experimental approaches to understanding cell structure and function.

PCB 3044 AS-BIOL 3(3,0) Principles of Ecology: PR: BSC 2010C, BSC 211C, and CHM 2045C, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development.

PCB 3044L AS-BIOL 10(3) Principles of Ecology Laboratory: PR or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Materials & Supply fee: $15.00
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Discipline</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3063</td>
<td>AS-BIOL 3(3,0) Genetic: PR: BSC 2010C, and CHM 2046, or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 3063H</td>
<td>AS-BIOL 3(3,0) Honors Genetics: PR: BSC 2010C and CHM 2046, or C.I., and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>AS-BIOL 1(0,3) Genetics Laboratory: PR: OR or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. Materials &amp; Supply fee: $28.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 3233</td>
<td>BCBS-M&amp;M 3(3,0) Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immune therapy.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>BCBS-M&amp;M 1(0,3) Immunology Laboratory CR: PCB 2333. Introduction to laboratory techniques in immunology. Materials &amp; Supply fee: $20.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 3355C</td>
<td>AS-BIOL 2(1,1) Tropical Marine Biology: PR: BSC 2010C and BSC 2101C or C.I. Intensive, one week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 3442</td>
<td>AS-BIOL 3(3,0) Florida Aquatic Ecology: PR: BSC 2010C and BSC 2101C, or C.I. An introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 3522</td>
<td>BCBS-M&amp;M 3(3,0) Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eucaryotic genes.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>BCBS-M&amp;M 4(3,3) Human Physiology: PR: BSC 2010C, CHM 1032 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Materials &amp; Supply fee: $35.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 4239</td>
<td>BCBS-M&amp;M 3(3,0) Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 4302C</td>
<td>AS-BIOL 4(3,4) Physiochemical Limnology: PR: BSC 2010C and BSC 2011C, or C.I. Limnology and methods for freshwater ecology, with respect to physical, and chemical parameters. Materials &amp; Supply fee: $15.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 4353</td>
<td>AS-BIOL 3(3,0) Florida Natural History: PR: BSC 2010C and BSC 2101C, or C.I. Florida's ecology, past and present flora and fauna, and naturalists who visited the state.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 4524</td>
<td>BCBS-M&amp;M 3(3,0) Molecular Biology II: PR: PCB 3522. The processes regulating gene function in prokaryotes and eucaryotes; specialized genetic aspects underlying multi-cellular existence; DNA evolution.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 4524H</td>
<td>BCBS-M&amp;M 3(3,0) Molecular Biology II-Honors: PR: Permission of Honors and PCB 3522. Same as PCB 4525 with honors level content.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 4529</td>
<td>BCBS-M&amp;M 3(3,0) Experimental Molecular Biology: PR: PCB 3522, CR: PCB 4524. Facilitation of experimental data that leads to the development and understanding of the underlying principles of molecular biology.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 4683</td>
<td>AS-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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 4683L</td>
<td>AS-BIOL 1(0,2) Population Biology and Evolution Lab: PR: CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. Materials &amp; Supply fee: $10.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 4723</td>
<td>AS-BIOL 4(4,0) Animal Physiology: PR: PCB 3023 or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 4805</td>
<td>BCBS-M&amp;M 3(3,0) Endocrinology: PR: PCB 3703C or equivalent; CHM 3211. Mechanisms of action of hormones; interrelationship between the nervous and endocrine systems.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5045C</td>
<td>AS-BIOL 4(3,2) Conservation Biology: PR: PCB 3044 and PCB 3063 or C.I. Scientific basis of conversation; conservation of ecosystems, populations, exploited species, and endangered species. Weekend field trips are required. Materials &amp; Supply fee: $15.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5107C</td>
<td>AS-BIOL 3(3,0) 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. Materials &amp; Supply fee: $15.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5108</td>
<td>AS-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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5238</td>
<td>BCBS-M&amp;M 3(3,0) Immunobiology: PR: PCB 5233, PCB 4239. Advanced topics in immune system dysregulation with special emphasis on innate immunity.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5239</td>
<td>BCBS-M&amp;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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5256C</td>
<td>AS-BIOL 4(3,2) Advanced Developmental Biology: PR: PCB 3063 and ZOO 4603C or equivalent, graduate status or senior standing, or C.I. Lecture and literature review of emerging areas in plant and animal developmental biology Materials &amp; Supply fee: $15.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5275</td>
<td>BCBS-M&amp;M 3(3,0) Signal Transduction Mechanisms: PR: PCB 3022 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5326C</td>
<td>AS-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. Materials &amp; Supply fee: $15.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5328C</td>
<td>AS-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. Materials &amp; Supply fee: $15.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5435C</td>
<td>AS-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. Materials &amp; Supply fee: $45.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5480C</td>
<td>AS-BIOL 4(3,2) Quantitative Conservation Biology: PR: MAC 2311, 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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5485</td>
<td>AS-BIOL 3(3,0) Models in Ecology: PR: PCB 3044, MAC 2311 (or equivalent), and graduate status or senior standing or C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature. Materials &amp; Supply fee: $15.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5556</td>
<td>AS-BIOL 3(3,0) Conservation Genetics: PR: PCB 3063 and PCB 4063, Applications of genetic models to the understanding and conservation of animal and plant populations. Materials &amp; Supply fee: $15.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5665C</td>
<td>AS-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. Materials &amp; Supply fee: $15.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB 5677</td>
<td>AS-BIOL 3(3,0) Molecular Evolution: PR: PCB 3063 and PCB 4683C, graduate status or senior standing, or C.I. Provides an overview of molecular methods currently used to analyze diversity within and among species.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| PCB 4203    | AS-PSYCH 4(3,2) Interviewing and Counseling: PR: PSY 2012, 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.

**PEL 2011**  
**ED-TLP 2(1,1)**  
**Basic Volleyball and Softball:** The analysis of offensive and defensive alignment, techniques, and strategies.

**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.

**PEL 2112**  
**ED-HSW 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.

**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.

**PEL 2122**  
**ED-TLP 2(1,1)**  
**Intermediate Golf:** PR: PEL 2121 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport.

**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.

**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.

**PEL 2640**  
**ED-TLP 2(1,1)**  
**Basic Football and Basketball:** The analysis of offensive and defensive alignment, techniques, and strategies.

**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.

**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.

**PEM 2121C**  
**ED-TLP 3(1,3)**  
**Yoga:** Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered.

**PEM 2131**  
**ED-TLP 2(1,1)**  
**Strength Resistance Training:** Study of fitness and strength development through resistance exercise.

**PEM 2171**  
**ED-TLP 2(1,1)**  
**Aerobics:** Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate.

**PEM 2173**  
**ED-TLP 2(1,1)**  
**Step Aerobics:** Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down.
PET 3930. Student teaching in a physical education program under the supervision of a certified classroom teacher.

PET 3941. ED-IP 6(0,16)
Internship I: PR: Senior standing. EDG 4323. Satisfactory completion of the portfolio. Internship assignment under a certified physical education teacher. Half in elementary, half in secondary.

PET 4002. ED-TLP 3(1,2)
Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, hiking.

PET 4050C. ED-TLP 3(2,1)
Motor Development and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills.

PET 4083C. ED-TLP 4(3,1)
Practical Fitness Training: PR: PET 4312. PET 4351, PET 2622C, PET 4550, PEM 2171. An in-depth study into fitness-related concepts as they are applied to individuals and groups.

PET 4215. ED-TLP 3(3,0)
Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance.

PET 4312. ED-TLP 3(2,1)
Biomechanics: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement.

PET 4315C. PET 4630C. HPA-HP 4(3,2)
Biomechanics of Sport: PR: PET 4630C, Assessment and recognition of physiological and mechanical aspects of sports and injuries.

PET 4351. ED-CFCS 3(2,1)
Applied Exercise and Human Physiology: An in-depth study of metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to physical education and sport.

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.

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.

PET 4550. ED-TLP 3(2,1)
Fitness Assessment: PR: ZOO 3736C or C.I. A study and acquisition of health related fitness, exercise strategies and related assessment techniques.

PET 4603. HPA-HP 3(3,0)
Introduction to Sports Medicine: A comprehensive study of care of sports injuries, including instruction in attitudes, health and conditioning in sports participants. Materials & Supply fee: $33.50

PET 4604. HPA-HP 3(3,0)
Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries.

PET 4606. HPA-HP 3(3,0)
Applied Fitness in Sport: PR: PET 3671C. Appreciation and clinical application of fitness regarding athletics.

PET 4624C. HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries I: PR: PET 3620C and PET 3622C. Recognition and evaluation skills required to perform an injury assessment of the lower extremity, spine, and general medical conditions and preservation of immediate management.

PET 4625. ED-TLP 3(3,0)

PET 4630C. HPA-HP 4(2,4)
Therapeutic Exercise in Athletic Training: PR: PET 3623C. Rehabilitation processes regarding exercise progression for athletic injury.

PET 4632C. HPA-HP 4(2,4)
Therapeutic Modalities in Athletic Training: PR: PET 4624C. Principles and techniques for applying therapeutic modalities.

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.

PET 4660C. HPA-HP 3(3,0)
Organization and Administration of Athletic Training: PR: PET 3671C. Administrative knowledge in the athletic training profession.

PET 4672C. HPA-HP 4(0,8)
Practicum in Athletic Training III: PR: PET 3671C. Advanced clinical internship with increased responsibilities under the supervision of a Certified athletic trainer.

PET 4673C. HPA-HP 4(0,8)
Practicum in Athletic Training IV: PR: PET 4622C. Advanced clinical internship with increased responsibilities under the supervision of a Certified athletic trainer.

PET 4674. HPA-HP 1(1,0)

PET 4710. ED-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.

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.

PET 4763. ED-HSW 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.

PET 4823. ED-HSW 3(3,0)
PHI 3700 AS-PHIL 3(3,0)
American Philosophy: PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform.

PHI 3701 AS-PHIL 3(3,0)

PHI 2010 AS-PHIL 3(3,0)
Introduction to Philosophy: Inquiry into the meaning and justification of fundamental ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics.

PHI 2010H AS-PHIL 3(3,0)
Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content.

PHI 2011 AS-PHIL 3(3,0)
Philosophical Reasoning: A study of reasoning in philosophy: the role of inconsistency, infinite regress arguments, modeling, and system building, discovery procedures, diagonalization, and contract paradigm case arguments.

PHI 2101 AS-PHIL 3(3,0)
Formal Logic I: A study of sentence and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics.

PHI 2108 AS-PHIL 3(3,0)
Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action.

PHI 2630 AS-PHIL 3(3,0)
Ethics: An examination of the nature of moral problems, judgements and principles, with an emphasis on recent formulations in ethical theory.

PHI 2647 AS-PHIL 3(3,0)
Logic and Ethics: PR: PHI 2101 or COT 3100 or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics.

PHI 3222 AS-PHIL 3(3,0)
Sexuality, Gender & Philosophy: PR: WST 2015, PHI 2010, PHI 3123, or C.I. Examines the interplay of poststructuralist and neopsychoanalytical theories to cultural issues in sexuality and gender.

PHI 3303 AS-PHIL 3(3,0)
Philosophy, Religion, and the Environment: PR: Junior standing or C.I. A multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment.

PHI 3803 AS-PHIL 3(3,0)
Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students.

PHI 3320 AS-PHIL 3(3,0)
Philosophy of Mind: PR: PHI 2010, PSY 2122, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personhood, and the relation of psychology to neurobiology.

PHI 3323 AS-PHIL 3(3,0)

PHI 3451 AS-PHIL 3(3,0)
Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues.

PHI 3601 AS-PHIL 1(1,0)
Practical Wisdom: A radio course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another.

PHI 3625 AS-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.

PHI 3626 AS-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.

PHI 3629 AS-PHIL 3(3,0)
Family Values: PR: PHI 2010, PHI 2630, PHI 3670, or WST 3015. Applied ethics examining legal, religious and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationships and caregiving.

PHI 3638 AS-PHIL 3(3,0)

PHI 3640 AS-PHIL 3(3,0)
Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecoscenism, and social ecology

PHI 3648 AS-PHIL 3(3,0)
Ethical Implications of the Human Genome Project: PR: BSC 2010C and either PHI 2010 or PHI 2630 or PHI 3670. Ethical issues surrounding the Human Genome Project, including genetic testing, genetic therapies, genetic enhancement, forensics, data banking, and genetic patenting.

PHI 3670 AS-PHIL 3(3,0)
Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including value theory, utilitarian, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues.

PHI 3683 AS-PHIL 3(3,0)
Philosophy of Friendship: PR: One of: PHI 2010, PHI 3670, PHI 3638, or C.I. Philosophical aspects of friendship, focusing on its interpersonal, moral, social, and political significance and implications.

PHI 3684 AS-PHIL 3(3,0)
Ways of Living: PR: HUM 2211 or HUM 2230 or C.I. Philosophes of life and the notion of “the good life.”

PHI 3700 AS-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.

PHI 3720 AS-PHIL 3(3,0)
Faith and Reason: PR: REL 2300 or PHI 2010 or C.I. Emergence of two discrete ways of knowing: Faith and Reason.
PHI 3750 AS-PHIL 3(3,0)
The Problem of Evil: PR: PHI 2010 or C.I. The traditional problem of evil encompassing philosophical, theological, logical, and natural interpretations and assessments of moral and natural evil.

PHI 3800 AS-PHIL 3(3,0)

PHI 3803 AS-PHIL 3(3,0)
Philosophy and Creativity: A compendium course to PHI 3800, Aesthetics. Examines the empirical and metaphysical claims made for creativity; attempts to account for intuition, genius, and intelligence.

PHI 3805 AS-PHIL 3(3,0)
Contemporary Aesthetics: PR: PHI 2010, HUM 2211, HUM 2230, ARH 2050 or ARH 2051. Contemporary themes and arguments about visual art in relationship to current aesthetic theories.

PHI 3941 AS-PHIL 3(1,3)
Philosophy Practicum: PR: C.I. Mentor at-risk grade schoolers three hours weekly and participate in a two-hour class every other week, evaluating such work-related concepts as justice and fairness. Pass/Fail grading.

PHI 4221 AS-PHIL 3(3,0)
Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture.

PHI 4300 AS-PHIL 3(3,0)
Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief.

PHI 4321 AS-PHIL 3(3,0)
Philosophies of Embodiment: Mind/Body/Self: PR: Junior standing and either PHI 2010, PHI 211, PHI 2108, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophies from ancient to contemporary times.

PHI 4341 AS-PHIL 3(3,0)
Ways of Knowing: PR: PHI 2010 or C.I. Philosopher's study of approaches to knowledge, with emphasis on contributions of the knower to how things are known.

PHI 4400 AS-PHIL 3(3,0)
Philosophy of Science: An examination of the conceptual foundations and methodology of modern science.

PHI 4420 AS-PHIL 3(3,0)
Philosophy of Social Science: An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge.

PHI 4500 AS-PHIL 3(3,0)
Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism.

PHI 4633 AS-PHIL 3(3,0)
Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity.

PHI 4633H AS-PHIL 3(3,0)
Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity.

PHI 4690 AS-PHIL 3(3,0)
Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology.

PHI 4804 AS-PHIL 3(3,0)
Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media.

PHI 4931 AS-PHIL 3(3,0)
Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web enhanced.

PHI 4938 AS-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Philosophy major. Capstone course on research, developing effective oral and written communication skills.

PHI 4951 AS-PHIL 1(1,0)
Portfolio: PR: PHI 3083 and last semester as Philosophy major. Presentation of a representative sampling of student's best work, with appropriate revisions, including a cover narrative indicating development of philosophical knowledge and skills. Graded S/U.

PHI 5627 AS-PHIL 3(3,0)
Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or Graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content.

PHI 5665 AS-PHIL 3(3,0)
Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content.

PHI 5700 AS-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.

PHI 5723 AS-PHIL 3(3,0)

PHI 5750 AS-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.

PHI 5755 AS-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.
and different styles of learning and teaching. Focus on cultural diversity issues, communication skills, Physical Therapy I. Psychosocial aspects of disability. Emphasizing therapeutic exercise skills for the treatment of musculoskeletal dysfunction.

Gross Anatomy/Neuroscience I Lab: PR: PHT 3155; PHT 3155L. CR: PHT 4222L. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction.

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.

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.


Clinical Kinesiology: CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues. Materials & Supply fee: $15.00

Clinical Kinesiology Lab: CR: PHT 5125. Concerned with the evaluation and practical application of aspects of human movement, joint mechanics of the upper and lower extremity, vertebral column and soft tissues. Materials & Supply fee: $15.00

Physiological Principles I: PR: Admission to PT program. Exercise physiology investigates the physiological responses and adaptations to human movement including cardiovascular and pulmonary.

Physiological Principles Lab: CR: PHT 5125L. Field course emphasizing the clinical application of exercise physiology. Materials & Supply fee: $15.00

Therapeutic Exercise I: CR: PHT 4222. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction.

Therapeutic Exercise Lab I: CR: PHT 4222L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment.

Issued the psychosocial aspects of disability. Focus on cultural diversity issues, communication skills, and different styles of learning and teaching.
PHY 2049 AS-PHYS 3(3,0)  Physics for Engineers and Scientists II: PR: MAC 2312 and PHY 2048 or PHY 2048H. Electricity, magnetism, optics.

PHY 2049H AS-PHYS 3(3,0)  Honors Physics for Engineers and Scientists II: PR: Permission of Honors and PHY 2048H, MAC 2312. Same as PHY 2049 with honors-level content.

PHY 2049L AS-PHYS 1(0,3)  Physics Laboratory for Engineers and Scientists II: CR: PHY 2049. Laboratory experiments covering selected topics in physics related to PHY 2049. Materials & Supply fee: $15.00

PHY 2053C AS-PHYS 4(3,3)  College Physics I: PR: MAC 1105 and MAC 1114 or equivalent, or C.I. Mechanics, waves, thermodynamics. Materials & Supply fee: $15.00

PHY 2054C AS-PHYS 4(3,3)  College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Materials & Supply fee: $15.00

PHY 2090 AS-PHYS 0(0,1.5)  Physics Today: CR: PHY 2048 or PHY 2049. Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated for credit.

PHY 3101 AS-PHYS 3(3,0)  Physics for Engineers and Scientists III: PR: MAC 2313 and PHY 2049 or PHY 2049H. Thermodynamics, oscillations, modern physics.

PHY 3110H AS-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.

PHY 3220 AS-PHYS 3(3,0)  Mechanics I: PR: PHY 2048 or PHY 2048H, MAP 2302. Particle dynamics, rigid bodies, Lagrangian formulation of mechanics, Hamilton's equations.


PHY 3513 AS-PHYS 3(3,0)  Thermal and Statistical Physics: PR: PHY 3101 or PHY 3110H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics.

PHY 3722C AS-PHYS 3(1.5)  Physics Laboratory-Electronics: PR: PHY 2049, PHY 2049L. State-of-the-art electronics, transducers, operational amplifiers, phase sensitive circuits, active filters. Materials & Supply fee: $15.00


PHY 3802L AS-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.

PHY 4324 AS-PHYS 3(3,0)  Electricity and Magnetism II: PR: PHY 3323. Dielectrics, magnetic materials, electromagnetic waves, reflection, complex impedance, static solutions to Laplace's Equation, radiation from an accelerated charge and antenna, special relativity.

PHY 4424 AS-PHYS 3(3,0)  Optics: PR: PHY 3101 and PHY 3323. Wave optics, absorption, stimulated emission, lasers, transforms, coherence, holography.

PHY 4424L AS-PHYS 3(0,3)  Optical Physics Laboratory: A laboratory course on geometric optics, interference, diffraction, materials and modern optics.

PHY 4445 AS-PHYS 3(3,0)  Lasers: PR: PHY 3101, MAP 2302, PHY 4424, or C.I. Principles of laser gain media, properties of resonators and modes, and description of specific laser systems.


PHY 4803L AS-PHYS 3(1,5)  Advanced Physics Laboratory: PR: PHY 3803L. Experiments in optics, electronics, nuclear and solid state physics. Emphasis on design, data, and scientific writing. Materials & Supply fee: $15.00

PHY 4842C AS-PHYS 3(2,3)  Practicum in Physics: PR: C.I. Physics laboratories and demonstrations, and the study of recent research on the learning of physics.

PHY 5015C AS-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.

PHY 5100 AS-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.

PHY 5140C AS-PHYS 3(3,2)  Ion-Solid Interactions: PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principles and related scientific and technological applications of ion-solid interactions.

PHY 5200C AS-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.

PHY 5300C AS-PHYS 1(0.5,1.5)  Electricity for Teachers: PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements.

PHY 5302C AS-PHYS 1(0.5,1.5)  Electromagnetism for Teachers: PR: Graduate status or senior standing or C.I. Gauss' Law, Biot-Savart Law, Ampere's Law, Faraday's Law, Lenz's law, motors, generators, AC circuits and Maxwell's Equations.

PHY 5346 AS-PHYS 3(3,0)  Electrodynamics I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities.

PHY 5401C AS-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.

PHY 5455 AS-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.

PHY 5465C AS-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.

PHY 5500C AS-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.

PHY 5524 AS-PHYS 3(3,0)  Statistical Physics: PR: PHY 3511, STA 3032, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions, Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics.

PHY 5606 AS-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.

PHY 5650 AS-PHYS 3(3,0)  Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementation of quantum computation for science and engineering students.

PHY 5846C AS-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.

PHY 5933 AS-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.

PHZ 3113 AS-PHYS 3(3,0)  Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics.


PHZ 3422 AS-PHYS 3(3,0)  Nanophysics: PR: PHY 2049 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport.

PHZ 5156 AS-PHYS 3(3,0)  Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of prob-
lectures in many branches of physics. May be repeated for credit.

PHZ 5304 AS-PHYS 3(3,0)
Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models.

PHZ 5405 AS-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.

PHZ 5425C AS-PHYS 3(3,3)
Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content.

PHZ 5432 AS-PHYS 3(3,0)

PHZ 5505 AS-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.

PHZ 5600 AS-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.

PLA 3013 HPA-CJ/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.

PLA 3014 HPA-CJ/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.

PLA 3155 HPA-CJ/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.

PLA 3201 HPA-CJ/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.

PLA 3201H HPA-CJ/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.

PLA 3273 HPA-CJ/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.

PLA 3304 HPA-CJ/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.

PLA 3308 HPA-CJ/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.

PLA 3610 HPA-CJ/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.

PLA 4020 HPA-CJ/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.

PLA 4223 HPA-CJ/LS 3(3,0)
Advanced Trial Advocacy: PR: PLA 4910 or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit.

PLA 4240 HPA-CJ/LS 3(3,0)

PLA 4263 HPA-CJ/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.

PLA 4423 HPA-CJ/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.

PLA 4433 HPA-CJ/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.

PLA 4460 HPA-CJ/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.

PLA 4472 HPA-PUB 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.

PLA 4483 HPA-CJ/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.

PLA 4530 HPA-CJ/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

PLA 4583 HPA-CJ/LS 3(3,0)
Cyber Law I: PR: PLA 3013. Analysis of copyright, trademark, and patent issues in cyberspace; online dispute resolution, privacy, and free speech topics. With Honors Content.

PLA 4601 HPA-CJ/LS 3(3,0)
Estate 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.

PLA 4602 HPA-CJ/LS 3(3,0)
Estate Administration: PR: PLA 4601. Study of the laws and procedures applicable to administration of estates.

PLA 4631 HPA-CJ/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.

PLA 4700 HPA-CJ/LS 3(3,0)

PLA 4710 HPA-CJ/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.

PLA 4732 HPA-CJ/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.

PLA 4763 HPA-CJ/LS 3(3,0)
Law Office Practices: PR: PLA 3013. Organization, operation and management of law office. Interviewing technical and practical application of work that is done in a law office.

PLA 4800 HPA-CJ/LS 3(3,0)
Domestic Relations Law: PR: PLA 3013, PLA 3610. Role of the legal assistant in all phases of family and juvenile law. Fundamental procedures and principles applied by the courts to family problems.

PLA 4813 HPA-CJ/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.

PLA 4823 HPA-CJ/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.

PLA 4824 HPA-CJ/LS 3(3,0)

PLA 4825 HPA-CJ/LS 3(3,0)
Entertainment Law: PR: PLA 3013 or C.I. Examination of the development and control of the entertainment industry and the associated legal issues.

PLA 4826 HPA-CJ/LS 3(3,0)
Advanced Entertainment Law: PR: PLA 425. Legal complexities and regulations pertaining to the Entertainment Industry at an advanced level.

PLA 4830 HPA-CJ/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.
PLA 4910 HPA-CJ/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.

PLA 4935 HPA-CJ/LS 3(3,0)  
Capstone: Legal Issues: PR: senior status, Leagal Studies major. The legal and socio-legal analysis of selected issues that require students to synthesize their legal studies education.

PLA 5937 HPA-CJ/LS 3(1,2)  

POR 1120 AS-LANG 4(4,1)  
Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language.

POR 1121 AS-LANG 4(4,1)  
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.

POR 3140 AS-LANG 3(3,0)  
Accelerated Portuguese for Speakers of Romance Languages: PR: PRE 2201, or ITA 2201, or SPN 2231, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese.

POS 2041 AS-POLS 3(3,0)  
American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures.

POS 2041H AS-POLS 3(3,0)  
Honors American National Government: PR: Permission of Honors. Same as POS 2041 with honors-level content.

POS 3122 AS-POLS 3(3,0)  
State Government and Public Policy: PR: POS 2041 or C.I. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida.

POS 3122H AS-POLS 3(3,0)  
Honors State Government and Public Policy: PR: POS 2041 or C.I. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. With Honors content.

POS 3173 AS-POLS 3(3,0)  
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.

POS 3182 AS-POLS 3(3,0)  
Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy.

POS 3233 AS-POLS 3(3,0)  
Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior.

POS 3235 AS-POLS 3(3,0)  
Mass Media and Politics: PR: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies.

POS 3235H AS-POLS 3(3,0)  
Honors Mass Media and Politics: PR: POS 2041 or C.I. Consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors consent.

POS 3253 AS-POLS 3(3,0)  
Contemporary Revolution and Political Violence: Theories and cases of revolutionary change and political violence in the contemporary world.

POS 3258 AS-POLS 3(3,0)  
Politics in Film: PR: POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics.

POS 3273 AS-POLS 3(3,0)  
Voting and Elections: Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems.

POS 3413 AS-POLS 3(3,0)  
The American Presidency: PR: POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office’s evolution in status, powers, administrative responsibilities, leadership, and decision-making.

POS 3424 AS-POLS 3(3,0)  
Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures.

POS 3443 AS-POLS 3(3,0)  
Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles.

POS 3463 AS-POLS 3(3,0)  
Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century.

POS 3627 AS-POLS 3(3,0)  
Cultural Pluralism and Law: PR: POS 2041. A case law approach to the legal and constitutional aspects of historical and current issues facing minorities in the U.S.

POS 3703 AS-POLS 3(3,0)  
Scope and Methods of Political Science: PR: Junior standing or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology.

POS 3949 AS-POLS 3(0,8)  
Cooperative Education in Political Science: PR: Departmental permission required before registering. Cooperative education experience in political science. May be repeated. Graded S/U.

POS 4074 AS-POLS 3(3,0)  
Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies.

POS 4142 AS-POLS 3(3,0)  
Metropolitan Politics: Analysis of political patterns, processes, and issues in American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas.

POS 4204 AS-POLS 3(3,0)  
Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States.

POS 4206 AS-POLS 3(3,0)  
Political Psychology: The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics.

POS 4246 AS-POLS 3(3,0)  
Political Socialization: PR: POS 2041 or C.I. Analysis of recruitment and socialization processes. Identification of the agents and processes of political socialization in national and cross-cultural contexts.

POS 4284 AS-POLS 3(3,0)  
Judicial Process and Politics: Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior.

POS 4412 AS-POLS 3(3,0)  
Presidential Campaigning: PR: C.I. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power.

POS 4603 AS-POLS 3(3,0)  
American Constitutional Law: PR: POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy.

POS 4604 AS-POLS 3(3,0)  
American Constitutional Law II: PR: POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system.

POS 4622 AS-POLS 3(3,0)  
Politics and Civil Rights: PR: Junior standing or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865.

POS 4742 AS-POLS 3(3,0)  
Geographic Information Systems for the Political Scientist: PR: POS 2041. Theoretical assumptions, analytical possibilities, and application of Geographic Information Systems (GIS) for political science research.

POS 4941L AS-POLS 3(9-3,9)  
Political Science Internship: PR: C.I. Internship working with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit.

POT 3204 AS-POLS 3(3,0)  
American Political Thought: From its sources to the 20th century, including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern variations.

POT 3302 AS-POLS 3(3,0)  
Modern Political Ideologies: A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism.

POT 4003 AS-POLS 3(3,0)  
Political Theory: PR: POS 2041 or C.I. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field.

POT 4025 AS-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.

POT 4054  AS-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).

POT 4066  AS-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.

POT 4109  AS-POLS  3(3,0)
Politics and Literature: PR: Junior standing. An examination of politics and the political process through the medium of literature.

POT 4305  AS-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.

POT 4314  AS-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.

POT 4331  AS-POLS  3(3,0)
Utopia/Disutopia: PR: Junior standing or C.I. Examines political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and disutopias.

POT 4414  AS-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.

POT 4632  AS-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.

PPE 3003  AS-PSYCH  3(3,0)

PPE 3003H AS-PSYCH  3(3,0)
Honors Personality Theory: PR: PSY 2012 and Consent of Burnett Honors College. Theory and research on the development of personality characteristics. With Honors content.

PPE 5055 AS-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.

PSB 3002  AS-PSYCH  3(3,0)
Physiological Psychology: PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior.

PSB 3441  AS-PSYCH  3(3,0)
Psychobiological Aspects of Drugs: PR: PSY 2012. An advanced course designed for web instruction. Focuses on pharmacology, neurophysiology and neuroanatomy as the foundation of understanding behavior and social consequences of drug use.

PSB 3842  AS-PSYCH  3(3,0)

PSB 4103C  AS-PSYCH  3(2,2)

PSB 4240C  AS-PSYCH  4(3,2)
Neurophysiology: PR: PSY 3002. Study of brain function, with particular emphasis on human behavior. Lecture/Lab.

PSB 4422  AS-PSYCH  3(2,2)
Brainwaves and Behavior: PR: PSY 3002. Review of research and clinical practice in the use of computerized EEG for treatment of selected physical and psychological disorders.

PSB 5005  AS-PSYCH  3(3,0)
Physiological Psychology: PR: PSY 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.

PSC 1121  AS-PHYS  3(3,0)
Physical Science: PR: MAC 1105 or MAC 1106. Fundamental laws of mechanics, heat, waves, electricity, magnetism; chemical processes and equations, properties of gases, liquids, solids, solutions. Materials & Supply fee: $2.20

PSC 1121H AS-PHYS  3(3,0)
Honors Physical Science: PR: Permission of Honors and MAC 1105 or MAC 1106. PSC 1121 with Honors-level content.

PSC 1121L AS-PHYS  1(0,2)
Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. Materials & Supply fee: $10.00

PSY 2012  AS-PSYCH  3(3,0)
General Psychology: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity.

PSY 2012H AS-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.

PSY 2023 AS-PSYCH  1(1,0)
Careers in Psychology: PR: PSY 2012. An examination of various career opportunities in Psychology, including educational entry requirements, and related professional issues. Gradated SU.

PSY 3022C AS-PSYCH  3(1,8)

PSY 3028  AS-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.

PSY 3204 AS-PSYCH  4(3,2)
Statistical Methods in Psychology: PR: STA 2014 or STA 2023. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology.

PSY 3213C  AS-PSYCH  4(3,2)
Research Methods in Psychology: PR: PSY 2012 and STA 2014 or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Materials & Supply fee: $20.00

PSY 3213H AS-PSYCH  4(3,2)
Honors Research Methods in Psychology: PR: Permission of Honors and PSY 2012 and STA 2014 or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Honors content.

PSY 3302 AS-PSYCH  3(3,0)

PSY 3320C AS-PSYCH  3(2,2)

PSY 3624 AS-PSYCH  3(3,0)
Parapsychology: PR: PSY 2012. An examination of the history and development of research on paranormal phenomena, with special emphasis on recent developments in extrasensory perception and psychokinesis.

PSY 3630  AS-PSYCH  3(3,0)

PSY 3951  AS-PSYCH  1-3(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. Gradated SU.

PSY 4025 AS-PSYCH  3(3,0)
The Psychology of Art: PR: PSY 2012, and ARH 2505 or ARH 2551. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity.

PSY 4213L AS-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. Materials & Supply fee: $15.00

PSY 4215C AS-PSYCH  4(3,2)

PSY 4305C AS-PSYCH  3(1,4)
estate law with emphasis on Florida statutes and case law.

REE 4103 BA-FIN 3(3,0)
Real Estate Appraisal and Valuation: PR: FIN 3403. Focus on the fundamentals of real estate valuation utilizing tools of financial and economic analysis.

REE 4204 BA-FIN 3(3,0)
Real Estate Finance: PR: FIN 3403. Focus on the fundamentals of real estate finance utilizing tools of financial and economic analysis.

REE 4303 BA-FIN 3(3,0)
Real Estate Investment Analysis: PR: FIN 3403. Focus on real estate decision-making in the private sector utilizing tools of financial and economic analysis.

REE 4732 BA-FIN 3(3,0)
Real Estate Development: PR: REE 4303. 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.

REL 2300 AS-PHIL 3(3,0)
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam.

REL 2300H AS-PHIL 3(3,0)

REL 3111 AS-PHIL 3(3,0)
Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2010 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.

REL 3115 AS-PHIL 3(3,0)

REL 3131 AS-PHIL 3(3,0)

REL 3162 AS-PHIL 3(3,0)
Healing: Culture, Art and Praxis: PR: Junior standing. A theory of the culture-specific nature of illness, including soul, body, spirit intrusion and the medicalization of deviance.

REL 3340 AS-PHIL 3(3,0)
Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications.

REL 3432 AS-PHIL 3(3,0)
Roots of Western Mysticism: PR: HUM 3432, HUM 3435, HUM 3552, HUM 3553, HUM 4300, 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.

REL 4110 AS-PHIL 3(3,0)
Religion and the Arts: PR: At least one of the following: HUM 2211, HUM 2230, ARH 2050, ARH 2051, or REL 2300: Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society.

REL 4901 AS-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.

REL 4910 AS-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.

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. Materials & Supply fee: $43.00.

RET 3174 HPA-HP 3(3,0)
Pediatric Respiratory Care: PR: RET 3026. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS.

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.

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.

RET 3484C HPA-HP 4(3,3)

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. Traacheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment.

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 4244C. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing.

RET 4285 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics II: PR: RET 4244C and RET 4284C. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery.

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.

RET 4441 HPA-HP 4(3,3)
Vascular Ultrasound: Study of application of ultrasound in the diagnosis of vascular diseases. Includes doppler and color flow doppler examination of arterial and venous systems.

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.

RET 4503 HPA-HP 3(3,0)
Chest Medicine: PR: RET 3026. Disease states treated medically in conjunction with one or more modalities of respiratory therapy.

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.

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.

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.

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.

RTE 3000 HPA-HP 3(3,0)

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. Materials & Supply 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.
UCF Courses and Descriptions

RTE 3308 HPA-HP 3(3,0)
Medical Physics: PR: RTE 3684C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding.

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. Materials & Supply fee: $28.00

RTE 3457C HPA-HP 3(2,5,1.5)
Principles of Radiographic Exposure II: PR: RTE 3418 or C.I. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. Materials & Supply fee: $26.00

RTE 3503C HPA-HP 3(2,3)
Radiographic Procedures I: PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the chest, abdomen, routine contrast studies, and the upper extremity. Materials & Supply 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 thoracic, lower extremity, vertebral column, cranium, and facial bones. Materials & Supply fee: $45.00

RTE 3563C HPA-HP 2(2,0)
Physics of Image Production: PR: College Physics II. Physics of diagnostic radiography, including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation.

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.

RTE 4202 HPA-HP 3(3,0)
Methods in Radiology Management: Concepts of radiology, department management, including principles, personnel management, evaluation and improvement techniques, budgeting, financial considerations and legal aspects, and JCAH/qauality assurance specifications.

RTE 4206 HPA-HP 3(3,0)
Leadership in Radiological Sciences: PR: Senior level status in RS major or C.I. Study of the theories, principles and skills needed to function in a leadership position in Radiologic Sciences.

RTE 4209 HPA-HP 2(0,8)
Radiological Administrative Practice: A directed practice in the management of a radiology department, with application of theory and methodology.

RTE 4385 HPA-HP 1(1,0)
Radiobiology: PR: RTE 3306C. A study of the effects of ionizing radiation on biologic systems. The responses at the cellular and total organism level are investigated.

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.

RTE 4563 HPA-HP 2(2,0)
Special Radiographic Procedures: PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalphinography, and bronchography.

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.

RTE 4762 HPA-HP 3(3,0)
Anatomy for the Medical Image: A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference.

RTE 4782 HPA-HP 2(2,0)
Pathophysiology: PR: C.I. The study of radiologic science in the diagnosis and treatment of disease.

RTE 4814L HPA-HP 5(0,20)
Clinical Education III: PR: RTE 3804. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the chest, abdomen, extremities and shoulder girdle.

RTE 4824L HPA-HP 6(0,24)
Clinical Education III: PR: RTE 4814. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the pelvis, thoracic cavity, vertebral column and portable and surgical radiography.

RTE 4834 HPA-HP 4(0,16)
Clinical Education IV: PR: RTE 4824. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranial, facial bones, and special procedures.

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.

RTE 4854 HPA-HP 2(0,8)
Advanced Clinical Practicum: PR: RTE 4824. Supervised clinical experience and/or practice in computed tomography, interventional, vascular, and magnetic resonance imaging.

RTE 4903 HPA-HP 2(0,8)
Directed Study in Radiologic Education: PR: EVT 3371 or EDG 4323 or C.I. Directed activity in classroom instruction in radiologic technology.

RTV 2102 AS-R/TV 3(3,0)
Writing for the Electronic Media: PR: ENC 1102, RTV Major. Practical experience in writing for various electronic media including radio, television, corporate, and digital media. Scriptwriting requirements, writing styles and creative applications.

RTV 3000 AS-R/TV 3(3,0)
Development and Structure of Electronic Media and New Technology: PR: SPC 1060 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls.

RTV 3200 AS-R/TV 3(3,0)
Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3000 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems.

RTV 3212C AS-R/TV 4(4,3)
Audio Production I: PR: RTV 3000 and RTV Major Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio computer-based editing equipment. Materials & Supply fee: $30.00

RTV 3223C AS-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 multi-camera video production. Materials & Supply fee: $30.00

RTV 3228C AS-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 Materials & Supply fee: $30.00

RTV 3231C AS-R/TV 4(1,3)
Broadcast Announcing and Performance: PR: RTV Majors only, RTV 3210C or RTV 3260C or RTV 4270C or C.I. Communication problems on camera and microphone. Development of performance skills in announcing, interviewing, narrating, and reporting. Materials & Supply fee: $15.00

RTV 3260C AS-R/TV 4(4,3)
Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Materials & Supply fee: $30.00

RTV 3263C AS-R/TV 3(3,3)
Advanced Video Post-Production: PR: RTV 3200C 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. Materials & Supply fee: $15.00

RTV 3283C AS-R/TV 3(3,1)
Production of Interactive Multimedia: PR: CGS 1060C, major status in RTV, Ad/PR, Journalism, Organizations, Interpersonal Communication. Practice and production of electronic interactive multimedia for the broadcast industry. Materials & Supply fee: $15.00

RTV 3301 AS-R/TV 3(3,0)

RTV 3304 AS-R/TV 3(3,0)
Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newswriting strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages.

RTV 3501 AS-R/TV 3(1,2)
Broadcast Copywriting: PR: RTV Majors only, Grammar Proficiency Examination and School Typing Exam. Preparation of written public service and commercial copy for radio and television.

RTV 3942L AS-R/TV 1-3(3,3-9)
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.

RTV 4206C AS-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. Materials & Supply fee: $30.00

RTV 4211C AS-R/TV 3(3,3)
Audio Production It: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain Materials & Supply fee: $15.00

RTV 4270C AS-R/TV 3(3,3)
Radio 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.

RTV 4280C AS-R/TV 3(3,3)  
Webcasting It: PR: RTV Major and PR or CR: RTV 3280C. Presentation of distribution, radio, television, and web content. Materials & Supply fee: $15.00

RTV 4281C AS-R/TV 3(3,3)  
Webcasting II: PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web Materials & Supply fee: $15.00

RTV 4320C AS-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. Materials & Supply fee: $15.00

RTV 4322C AS-COMM 3(1,3)  
Advanced TV News: PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program.

RTV 4403 AS-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.

RTV 4503 AS-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.

RTV 4505 AS-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.

RTV 4700 AS-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.

RTV 4800 AS-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.

RUS 1120 AS-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.

RUS 1121 AS-LANG 4(4,1)  
Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120.

RUS 2210 AS-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.

RUS 2230 AS-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.

RUS 2231 AS-LANG 3(3,1)  
Intermediate Russian Language and Civilization II: PR: RUS 2230 or equivalent. Continuation of RUS 2230, with emphasis on Russian civilization.

RUS 3240 AS-LANG 3(3,0)  
Russian Conversation: PR: RUS 2231 or equivalent. Development of skills in conversation and comprehension through practice.

RUS 3760 AS-LANG 3(3,0)  
Advanced Russian Oral Communication: PR: RUS 2231 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues.

SCE 3310 ED-TLP 3(3,0)  
Teaching Science in Elementary School: PR: Junior standing or C.I. Selected concepts; organizing for instruction; techniques; evaluation procedures. Materials & Supply fee: $5.25

SCE 4023 ED-TLP 3(3,0)  
Teaching Science and Technology to Young Children: PR: RUS 2230 or C.I. Provide the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum.

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. Materials & Supply fee: $9.00

SCE 5325 ED-TLP 3(3,0)  
Teaching Middle School Science: PR: EDG 6238 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaming, technology use, ESOL, and inquiry in science.

SCE 5632 ED-TLP 3(3,0)  
Issues and Methods in Secondary School Science: PR: EDG 6238 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.

SCE 5716 ED-TLP 3(3,0)  

SCE 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.

SOP 3724 AS-PYCH 3(3,0)  
The Psychology of Racial Prejudice: PR: RUS 2231. 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.

SOP 3742 AS-PYCH 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.

SOP 3751 AS-PYCH 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.

SOP 3784 AS-PYCH 3(3,0)  
Psychology of Diversity: PR: PSY 2012. A review of the contributions of psychology to the understanding of human diversity related to ethnic background, gender, sexuality, and belief systems.

SOP 5059 AS-PYCH 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.

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.

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.

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 interviewing, group leadership, written communication, and oral presentations, in consensual as well as conflictual.
contexts of social work.

SOW 3401 HPA-SOWK 3(3,0)
Social Work Research: PR: STA 204C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice.

SOW 3420 HPA-SOWK 2(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.

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.

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.

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.

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.

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.

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.

SOW 4645 HPA-SOWK 3(3,0)
Social Services for the Elderly: PR: SOW 3300, SOW 3304, or Gerontology Certificate Major or C.I. Development of interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families.

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.

SOW 4654 HPA-SOWK 3(3,0)

SOW 4673 HPA-SOWK 3(3,0)
Social Work Practice: The Gay and Lesbian Experience: PR: SOW 3104 or C.I. Sexual orientation and cultural diversity, policies and resources affecting gay & lesbian people, community based therapeutic and preventive interventions with gay & lesbian clients.

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.

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.

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.

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.

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 group(s) within countries, and religious principles.

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.

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.

SOW 5306 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.

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.

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.

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.
placing children in alternative care, and reuniting children with their families.

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.

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.

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.

SOW 5695 HPA-SOWK 3(3,0) Documentation Skills for Helping Professionals: PR: MSW Social Work Students, C.I. Study of documentation skills and record keeping for helping professionals.

SOW 5712 HPA-SOWK 3(3,0) Interventions with Substance Abusers: Strategies for working with persons who abuse drugs, alcohol, and other substances.

SOW 5713 HPA-SOWK 3(3,0) Prevalence and Treatment of Adolescent Substance Abuse: PR: Graduate Status or C.I. An indepth review of prevention, intervention and treatment of Adolescent Substance Abuse

SOW 5846 HPA-SOWK 3(3,0) Spirituality in Professional Counseling: PR: graduate standing, post-bac status, seniors, or C.I. Examination of spirituality as it relates to professional counseling.

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.

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.

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.

SPA 3011L HPA-COMD 1(0,1) Basic Phonetics Lab: CR: SPA 3112. Practice in the transcription of normal and deviant speech samples. Graded SU.

SPA 3101 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.

SPA 3104 HPA-COMD 3(3,0) Neural Bases of Communication: PR: SPA 3101. Structures and functions of the nervous system involved in communication and its disorders.

SPA 3112 HPA-COMD 3(3,0) Basic Phonetics: CR: SPA 3112. Physiological descriptions and visual notation of standard speech patterns and regional dialects.

SPA 3112L HPA-COMD 1(0,1) Basic Phonetics Lab: CR: SPA 3112. Practice in the transcription of normal and deviant speech samples. Graded SU.

SPA 3123 HPA-COMD 3(3,0) Speech Science II: Perception: PR: SPA 3112, SPA 3011. CR: SPA 3123L. How the perception of human speech differs from that of other auditory signals.

SPA 3123L HPA-COMD 1(0,1) Speech Perception Lab: CR: SPA 3123L. Laboratory techniques used in investigating human speech perception. Graded SU.

SPA 3471 HPA-COMD 3(3,0) Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders.

SPA 3472 HPA-COMD 3(3,0) Guidance of Young Children with Communicative Disorders: PR: SPA 3002. Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents.

SPA 3621 HPA-COMD 3(3,0) Introduction to Signed English and Culture of the Deaf: Vocabulary and grammar through introductory level. Conceptual basis of ASL discussed.

SPA 3632 HPA-COMD 3(3,0) Communication Disorders in the Deaf and Hard of Hearing Population: PR: SPA 2011 or C.I. Speech, language, and hearing problems in the D/HH population, including etiology, pathology, and management of hearing disorders.


SPA 4052L HPA-COMD 3(0,3) Undergraduate Clinical Practicum: PR: SPA 4500C; either SPA 4400 or SPA 4476, and Senior Status. Students must apply and be invited to enroll in practicum. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Materials & Supply fee: $45.00.

SPA 4201 HPA-COMD 3(3,0) Articulation And Phonological Disorders: PR: SPA 3002, SPA 3112. The etiology, assessment, and management of articulation and phonological disorders, including those associated with structural variations and neuromotor disorders. Materials & Supply fee: $15.00.

SPA 4241 HPA-COMD 3(3,0) Genetic Aspects of Communication Disorders: PR: BSC 2010C, Junior or senior standing. Theoretical framework for understanding human genetics and the genetic aspects of communication and feeding disorders.

SPA 4421 HPA-COMD 3(3,0) Language Disorders Across the Life Span: PR: LIN 3117. Etiology, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia.

SPA 4476 HPA-COMD 3(3,0) Speech Disorders Across the Lifespan: PR: SPA 3002, SPA 3101, and SPA 3112. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding swallowing.

SPA 4478 HPA-COMD 3(3,0) Multicultural Aspects: Communication Disorders & Differences: PR: LIN 3171. Cultural and linguistic diversities among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American.

SPA 4550C HPA-COMD 5(3,2) Clinical Methods in Communicative Disorders: PR: SPA 4201 and SPA 4400. The principles and techniques of case management with an emphasis on designing individualized treatment programs for individuals with communication disorders. Students will complete 25 observation hours.

SPA 4555 HPA-COMD 3(3,0) Counseling in Communicative Disorders: PR: SPA 4500C. Practical interviewing and counseling in the area of Communicative Disorders.

SPA 4559 HPA-COMD 3(3,0) Augmentative and Alternative Communication Systems: PR: LIN 3171. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability.

SPA 4602 HPA-COMD 3(3,0) Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined.

SPA 4603 HPA-COMD 3(3,0) Intermediate American Sign Language: Expansion of ASL vocabulary with increased development of knowledge concerning deaf culture.


SPA 4615 HPA-COMD 4(4,0) American Sign Language IV: PR: SPA 4614C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing production of non-voiced, conversational, spontaneous signed sentences, “reading” signed phrases and sentences.

SPA 4671 HPA-COMD 3(3,0) Structure of American Sign Language: PR: SPA 4602 and SPA 4603 or C.I. Study of phonologic, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication.

SPA 4626 HPA-COMD 3(3,0) Fingerspelling: PR: SPA 4602 and SPA 4603 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels.

SPA 4652 HPA-COMD 3(3,0) Ethics of Interpreting Sign Language: PR: SPA 4602, SPA 4603, SPA 4614C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings.
SPA 4660C  HPA-COMD  4(3,1)
Interactive Interpreting I: PR: SPA 4602, SPA 4603 and SPA 4614C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter’s role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations.

SPA 4662C  HPA-COMD  4(3,1)
Interactive Interpreting II: PR: SPA 4660C or C.I. Advanced cognitive, linguistic and motor skill development in the use of ASL.

SPA 4948  HPA-COMD  3(0,3)
Community Internship: PR: SPA 4550C and Senior Status. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities.

SPA 5327  HPA-COMD  3(3,0)

SPA 5473  HPA-COMD  3(3,0)
Multicult. Aspects of Communication Differences and Disorders: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures.

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.

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.

SPA 5561  HPA-COMD  3(3,0)
Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families.

SPA 5570  HPA-COMD  3(3,0)
Administration and Management of Communicative Disorders Programs: PR: SPA 6553, SPA 5327. Methods and techniques for organization and administration of speech-language and hearing disorders in public school, hospital, rehabilitation center, and private practice facilities.

SPC 1016  AS-COMM  3(3,0)
Fundamentals of Technical Presentations: Communication theory and its application to preparing and delivering technical information in public speaking situations.

SPC 1016H  AS-COMM  3(3,0)

SPC 1600  AS-COMM  3(3,0)

SPC 1600H  AS-COMM  3(3,0)

SPC 3301  AS-COMM  3(1,2)
Interpersonal Communication: Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, interaction behavior, situational cues, verbal and non-verbal messages.

SPC 3425C  AS-COMM  3(2,1)
Group Interaction and Decision-Making: PR: COM 3311. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities.

SPC 3513  AS-COMM  3(1,2)
Argumentation and Debate: PR: SPC 1600C or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization.

SPC 3602  AS-COMM  3(1,2)
Advanced Public Speaking: PR: SPC 1600C or C.I. Advanced training in selecting and organizing materials for various types of speeches. Practice in thinking and speaking before audiences.

SPC 4331  AS-COMM  3(3,0)
Nonverbal Communication: PR: COM 3311. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises.

SPC 4426  AS-COMM  3(3,0)

SPC 4540  AS-COMM  3(3,0)
Attitudes and Communication: PR: COM 3311. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes.

SPN 1120  AS-LANG  4(4,1)
Elementary Spanish Language and Civilization I: PR: Spanish or equivalent. Practical use of the language, leading toward fluency and correctness in speaking.

SPN 1121  AS-LANG  4(4,1)
Elementary Spanish Language and Civilization II: PR: Spanish or equivalent. Continuation of SPN 1120.

SPN 1130H  AS-LANG  4(4,1)
Honors Elementary Spanish Language and Civilization: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language.

SPN 1121  AS-LANG  4(4,1)
Elementary Spanish Language and Civilization II: PR: Spanish or equivalent. Continuation of SPN 1120.

SPN 1130H  AS-LANG  4(4,1)
Honors Elementary Spanish Language and Civilization: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors-level content.

SPN 1131H  AS-LANG  4(4,1)
Honors Elementary Spanish Language and Civilization: PR: Permission of Honors and SPN 1130H or equivalent. Same as SPN 1121 with honors-level content.

SPN 1170  AS-LANG  8(16,10)
Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment.

SPN 2230  AS-LANG  3(3,1)
Intermediate Spanish Language and Civilization I: PR: Spanish or equivalent. Development of language skills and cultural knowledge at the intermediate level.

SPN 2231  AS-LANG  3(3,1)
Intermediate Spanish Language and Civilization II: PR: Spanish or equivalent. Continuation of SPN 2230, with emphasis on Spanish civilization.

SPN 2240  AS-LANG  3(3,1)
Intensive Spanish Conversation: PR: One year of Spanish or equivalent. Practical use of the language, leading toward fluency and correctness in speaking at the intermediate level.

SPN 2241  AS-LANG  3(3,0)
Spanish Conversation: PR: Spanish or equivalent. Development of skills in conversation and comprehension through practice.

SPN 2340  AS-LANG  3(3,0)
Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language.

SPN 2511  AS-LANG  3(3,0)
Modern Spanish Civilization Abroad: PR: SPN 1120 & 1121. This intensive course will focus on modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course.

SPN 3140  AS-LANG  3(3,0)
Business Spanish I: PR: Spanish or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World.

SPN 3141  AS-LANG  3(3,0)
Business Spanish II: PR: C.I. Continuation of Business Spanish I.

SPN 3142  AS-LANG  3(3,0)
Business Spanish III: PR: C.I. Continuation of Business Spanish II.

SPN 3232  AS-LANG  3(3,0)
Advanced Directed Readings: PR: Spanish or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers.

SPN 3300  AS-LANG  3(3,0)
Advanced Spanish Grammar and Composition: PR: SPN 2231 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts.

SPN 3341  AS-LANG  3(3,0)
Advanced Spanish for Native Speakers: PR: Spanish or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills.

SPN 3343  AS-LANG  3(3,0)
Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only.

SPN 3344  AS-LANG  3(3,0)
Advanced Spanish Native Fluency I: PR: Spanish or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers.

SPN 3345  AS-LANG  3(3,0)
Advanced Spanish Native Fluency II: PR: Spanish or C.I. Continuation of Advanced Spanish Native Fluency I.
emphasizing the remaining grammatical topics and composition skills.

SPN 3402 AS-LANG 3(3,0)
Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts.

SPN 3420 AS-LANG 3(3,0)
Development of skills in composition.

SPN 3512 AS-LANG 3(3,0)
Contemporary Spanish Culture Abroad: PR: SPN 2241 or SPN 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities.

SPN 3760 AS-LANG 3(3,0)
Structured Pronunciation: PR: SPN 2231 or SPN 2240 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues.

SPN 3850 AS-LANG 3(3,0)
Structure of the Spanish Language: PR: SPN 3420. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound patterns, semantics, word formations, and socializations.

SPN 3852 AS-LANG 3(3,0)

SPN 3933 AS-LANG 1(1,0)
Spanish Across the Curriculum: PR: SPN 2231 or C.I. CR/concurrent enrollment in a designated course. Improvement of skills in Spanish within the student’s major or minor. Open to students in all colleges. May be repeated for credit.

SPN 4143 AS-LANG 3(3,0)
Business Spanish IV: PR: C.I. Advanced course in business terminology and development of advanced language skills.

SPN 4410 AS-LANG 3(3,0)
Advanced Spanish Composition: PR: SPN 3760, SPN 3420, SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences.

SPN 4421 AS-LANG 3(3,0)
Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories.

SPN 4510 AS-LANG 3(3,0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish.

SPN 4520 AS-LANG 3(3,0)
Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish.

SPN 4780 AS-LANG 3(3,0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill.

SPN 4800 AS-LANG 3(3,0)
Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S.

SPN 4801 AS-LANG 3(3,0)
Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language, as well as the use and correct application of criteria when analyzing texts. Taught in Spanish.

SPN 5502 AS-LANG 3(3,0)
Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present.

SPN 5505 AS-LANG 3(3,0)
Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization.

SPN 5506 AS-LANG 3(3,0)
Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization.

SPN 5705 AS-LANG 3(3,0)
Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics.

SPN 5825 AS-LANG 3(3,0)
Spanish Dialectology: PR: Graduate status or senior standing or C.I. An overview of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influence, and historical development.

SPN 5845 AS-LANG 3(3,0)
History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties.

SPN 5920 AS-LANG 3(3,0)
AP Spanish Language: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing.

SPT 3800 AS-LANG 3(3,0)
Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish.

SPT 3805 AS-LANG 3(3,0)
Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media.

SPT 3809 AS-LANG 3(3,0)
Medical Spanish Translation and Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation.

SPT 3831 AS-LANG 3(3,0)
Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit.

SPT 4801 AS-LANG 3(3,0)
Spanish Translation Practicum: PR: SPT 3800. Development of translation and interpretation skills in a professional environment. Concentration in legal, medical, and business areas.

SPW 3000H AS-LANG 3(3,0)
Honors: Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel-Prize-Winning writers. Through readings, students will explore the universality of Spanish literature.

SPW 3100 AS-LANG 3(3,0)
Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century.

SPW 3101 AS-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.

SPW 3130 AS-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.

SPW 3131 AS-LANG 3(3,0)
Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Major works and works of the Nineteenth century from Realism to the present.

SPW 3320 AS-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.

SPW 3321 AS-LANG 3(3,0)

SPW 3370 AS-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.

SPW 4272 AS-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.

SPW 4310 AS-LANG 3(3,0)
Golden Age Drama: PR: SPW 3100 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Alarcon, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined.
study of the major playwrights and tendencies in contemporar
y Iberian theatre.

SPW 4364 AS-LANG 3(3,0)
Latin-American Narrative/Essay: PR: SPW 3100 or SPW 3130 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.

SPW 4381 AS-LANG 3(3,0)
Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3130 or SPW 3370 or SPW 3380 or C.I. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. Course could be repeated for credit when topic changes.

SPW 4382 AS-LANG 3(3,0)
Central American Literature: PR: SPW 3371 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.

SPW 4450 AS-LANG 3(3,0)
Spanish Literary Theory: PR: SPW 3100 and SPW 3131, or SPW 3380 and SPW 3311, or C. I. A study of textual criticism with emphasis in the theory of genre.

SPW 4460 AS-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.

SPW 4600 AS-LANG 3(3,0)
Cervantes: PR: SPW 3100 or C.I. Don Quixote.

SPW 4720 AS-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.

SPW 4730 AS-LANG 3(3,0)
Hispanic Literature of the United States: PR: SPW 3101 or SPW 3311 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States.

SPW 4770 AS-LANG 3(3,0)
Caribbean Spanish Literature: PR: SPW 3101 or SPW 3311 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present.

SPW 4772 AS-LANG 3(3,0)
Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3311 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative.

SSE 3312 ED-TLP 3(3,0)
Teaching Social Science in the Elementary School: PR: Admission to Phase II or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques; evaluation procedures.

SSE 4361 ED-TLP 4(4,0)
Social Science Instructional Analysis: PR: EDG 4323 or C.I.: CR: SSE 3940 or C.I. Analysis of secondary (grades 6-12) social science instructional programs including development of objectives, materials, processes, and assessment procedures in light of current research and practice.

SSE 5115 ED-TLP 3(3,0)
Methods in Elementary School Social Science: PR: EDG 4323. Study of instructional programs in social sciences; objectives; materials; techniques; current research; and their application in elementary school setting.

SSE 5391 ED-TLP 3(3,0)
Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education.

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.

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.

STA 1050C AS-STAT 3(2,1)
Basic Statistics Using Microsoft Excel: Applications of Excel: manipulating data; creating meaningful tables and graphs; using Excel to perform statistical procedures, and graphical methods; computer programs for graph construction, graphical perception, graphical methods, and normal distributions, sample size.

STA 2023 AS-STAT 3(3,0)
Statistical Methods I: PR: MAC 1105 and MGF 1106. First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size.

STA 2023H AS-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.

STA 3032 ECS-EIMS 3(3,0)
Probability and Statistics for Engineers: PR: MAC 2312 and computer programming. Axioms of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion, probability, statistical inference. The “NC” grading policy applies to this course.

STA 3096 AS-STAT 3(3,0)

STA 3222 AS-STAT 3(3,0)

STA 4164 AS-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.

STA 4173 AS-STAT 3(3,0)
Biostatistical Methods: CR: STA 4163. Introduction to the application of statistical principles and methods to problems in medical, biological, and health sciences.

STA 4183 AS-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. Annuitites certain, yield rates, amortization schedules and sinking funds, Bonds, securities and related funds.

STA 4222 AS-STAT 3(3,0)

STA 4321 AS-STAT 3(3,0)
Statistical Theory I: PR: STA 2023 or STA 3032; 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.

STA 4322 AS-STAT 3(3,0)

STA 4502 AS-STAT 3(3,0)
Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance.

STA 4504 AS-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.

STA 4641 AS-STAT 3(3,0)

STA 4664 AS-STAT 3(3,0)
Statistical Quality Control: PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products.


STA 4852 AS-STAT 3(3,0) Applied Time Series: PR: STA 4163. Forecasting methods, time series analysis, stationary and nonstationary time series, ARIMA models, forecasting processes.

STA 4939 AS-STAT 3(3,0) Problems in Actuarial Science: PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk; application of these tools to problems in actuarial science. May be repeated for credit.

STA 4942 AS-STAT 3(3,0) Practicum in Actuarial Science: PR: STA 4163 or STA 5163. Discussion and presentation by actuarial practitioners.

STA 5103 AS-STAT 3(3,0) Advanced Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports.


STA 5175 AS-STAT 3(3,0) Biometry: PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biological/ecological application; one-way and multi-way ANOVA; regression; ordination; classification.

STA 5176 AS-STAT 3(3,0) Introduction to Biostatistics: PR: STA 4163 or STA 4172, 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.

STA 5185 AS-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.

STA 5205 AS-STAT 3(3,0) Experimental Design: PR: STA 4164, STA 5206 or ESI 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; incomplete block designs; factorial and fractional designs; design resolution.

STA 5206 AS-STAT 3(3,0) Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods.

STA 5505 AS-STAT 3(3,0) Categorical Data Methods: PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including: loglinear modeling, logistic regression, McNemar’s Test, Mantel-Haenszel test.

STA 5646 AS-STAT 3(3,0) Casualty Insurance: PR: STA 4322 and STA 4641, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree.

STA 5825 AS-STAT 3(3,0) Stochastic Processes and Applied Probability Theory: PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queueing theory, and simple stochastic processes.

STA 5940 AS-STAT 1(1,0) Statistical Advice for Researchers: PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, data analysis, interpretation. May be repeated for credit. Graded SU.

SUR 2101C ECOM 3(3,2) Surveying: PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data.

SYA 3110 AS-SOC/AN 3(3,0) The Development of Social Thought: PR: STA 4163 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.

SYA 3120 AS-SOC/AN 3(3,0) Modern Sociological Thought: PR: Senior standing and 9 hours of upper level sociology courses or C.I. A study of the historical development of major European and American contributors to modern sociology since World War II.

SYA 3400 AS-SOC/AN Research Methods and Statistics: PR: SYG 2000 and one other sociology course.


SYA 4300 AS-SOC/AN 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 social research, and relationship between theory and social research.

SYA 4314C AS-SOC/AN 4(3,1) 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.

SYA 4450 AS-SOC/AN 4(3,2) Data Analysis: PR: SYA 4300 and SYA 3400. Advanced research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing.


SYA 5625 AS-SOC/AN 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.

SYA 5937 AS-SOC/AN 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.

SYD 3410 AS-SOC/AN 3(3,0) Urban Sociology: PR: SYG 2000 or C.I. Historical roots of urbanization. Analysis and impact of community change on social organizations in modern industrial societies.

SYD 3700 AS-SOC/AN 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.

SYD 3750 AS-SOC/AN 3(3,0) Contemporary Social Issues and North American Indians: PR: 2000 level social science or C.I. Examination of North American Indian sovereignty and current issues including economic development, education, freedom of religion, child welfare, federal/tribal relationships and environment.

SYD 3751 AS-SOC/AN 3(3,0) North American Indian Women Today: PR: 2000 level social science course or C.I. Examination of works of modern North American Indian women within context of sovereign rights. Issues include myths, gender roles, coerced sterilization, child welfare, and economic opportunities.

SYD 3752 AS-SOC/AN 3(3,0) Modern Law in Indian Country: PR: 2000 level social science course or C.I. Examination of impact of unique legal relationships between American Indian governments and state federal governments. Legal issues include criminal justice, child welfare, and land ownership.

SYD 3800 AS-SOC/AN 3(3,0) Sex Roles in Modern Society: The traditional and changing roles of women and men viewed in a sociological perspective.

SYD 4020 AS-SOC/AN 3(3,0) Population: Concerned with the study of human population, its distribution, composition, and change.

SYD 4510 AS-SOC/AN 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.

SYD 4810 AS-SOC/AN 3(3,0) Women in Contemporary Society: PR: SYG 2000 or WST 3015 or C.I. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and polity).
theories, processes, and methods used in understanding perspective and the scientific study of sociological concepts, educational institutions, including the impact of the social

Sociology of Education:

Sociology of Religion:

SYO 4200 AS-SOC/AN 3(3,0)

Political Sociology: Sociological analysis of political and parapolitical groups; socioeconomic variable of voting behavior, power elites; societies and systems of government.

SYO 4400 AS-SOC/AN 3(3,0)

Medical Sociology: Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care.

SYP 3300 AS-SOC/AN 3(3,0)

Collective Behavior: PR: SYG 2000 or C.I. Analysis of relatively unstructured social situations, such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements.

SYP 3400 AS-SOC/AN 3(3,0)

Social Change: PR: SYG 2000 or SYG 2010 or C.I. Context and essential sources of social development and change.

SYP 3510 AS-SOC/AN 3(3,0)

Sociology of Deviant Behavior: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of the types of, and societal reactions to, deviant behavior with special emphasis on stigmatization.

SYP 3511 AS-SOC/AN 3(3,0)

Sociology of Murder: PR: SYG 2000 or SYG 2010 or C.I. An analytical study of murder in the U.S.; topics include different types of homicides, offenders, victims, and circumstances.

SYP 3520 AS-SOC/AN 3(3,0)

Criminology: PR: SYG 2000 or SYG 2010 or C.I. Chief causes of anti-social behavior and current methods of prevention and reform. Effects of heredity and environment, prevalence of delinquency and crime, penal institutions.

SYP 3530 AS-SOC/AN 3(3,0)

Juvenile Delinquency: Types of delinquency behavior found among juveniles, possible causes and ways society attempts to treat the various forms of delinquency.

SYP 3540 AS-SOC/AN 3(3,0)

Sociology of Law: PR: SYG 2000 or SYG 2010 or C.I. The relationship between law and society, including the functions of law and its organization, social and economic consequences, jury selection, and modern trends.

SYP 3551 AS-SOC/AN 3(3,0)

Sociology of Alcoholism: Introduction to the nature of alcoholism and review of its impact on society.

SYP 3562 AS-SOC/AN 3(3,0)

Sociological Perspectives on Domestic Violence: PR: SYG 2000 or C.I. Sociological perspectives on all forms of domestic violence, including theoretical explanations, prevalence, risk factors, dynamics of prevention, and intervention.

SYP 3602 AS-SOC/AN 3(3,0)

Sociology of Popular Music: PR: SYG 2000 or SYG 2010 or C.I. The role of popular music in social change and in reflecting American culture. Consideration is given to the nature of the popular music business.

SYP 3630 AS-SOC/AN 3(3,0)

Sociology of Popular Culture: PR: Junior Standing or C.I. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity and age.

SYP 3650 AS-SOC/AN 3(3,0)

Sociology and Sport: PR: SYG 2000 or SYG 2010 or C.I. Utilization of sociological concepts and theories to investigate sport as a social institution. Includes subjects of racism, sexism, drug abuse, violence, and current issues of sport.

SYP 4000 AS-SOC/AN 3(3,0)

Sociological Social Psychology: PR: SYG 2000 or C.I. Study of social perception, attitude formation and change, motivation, and decision-making in small groups as affected by social interaction and social processes.

SYP 4004 AS-SOC/AN 3(3,0)

Constructing Social Issues: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of social problems as an emergent process that involves collective definitions and legitimating organizations. Topics include deviance, race, gender, and popular culture.

SYP 4323 AS-SOC/AN 3(3,0)

Social Systems and Diversity: PR: SYG 2000, junior standing. The formation of social systems in response to social problems and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effect on the form and effectiveness of social systems.

SYP 4454 AS-SOC/AN 3(3,0)


SYP 4514 AS-SOC/AN 3(3,0)


SYP 4521 AS-SOC/AN 3(3,0)

Criminal Victimization in Society: PR: SYG 2000 or SYG 2010 or C.I. Crime victims in society; topics include issues related to victimology such as victimization risks and societal treatment of victims.

SYP 4536 AS-SOC/AN 3(3,0)

Gangs and Society: PR: SYG 2000 or SYG 2010 or C.I. Gangs in the U.S.; topics include types of gangs, gang members, activities, group processes, and societal responses to gangs.

SYP 4550 AS-SOC/AN 3(3,0)


SYP 4730 AS-SOC/AN 3(3,0)


SYP 4734 AS-SOC/AN 3(3,0)

Minority Aging: PR: SYG 2000 or SYG 3700 or SYP 4730 or C.I. A sociological examination of older populations within minorities: ethnic minorities, women, and gay men and lesbians.

SYP 5005 AS-SOC/AN 3(3,0)

Sociological Social Psychology: PR: Graduate status or senior standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual.

SYP 5525 AS-SOC/AN 3(3,0)

Sociological Criminology: PR: Graduate status or senior standing or C.I. To examine current sociological knowledge and research on various issues in criminology, and to further students' skills in developing/conducting research projects.

SYP 5564 AS-SOC/AN 3(3,0)

Seminar on Domestic Violence: Theory, Research, and Social Policy: PR: Graduate status or senior standing or C.I. A sociological examination and evaluation of theories, empirical research and social policy related to the study of
domestic violence.

SYP 5615 AS-SOC/AN 3(3,0)
Sociology of Culture: PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes.

SYP 5738 AS-SOC/AN 3(3,0)
Seminar on the Welfare State & Aging: PR: Graduate status or senior standing or C.I. A sociological examination of old policies from a cross-cultural perspective.

TAX 2000 BA-ACCT 3(3,0)
Personal Income Tax: PR: Accounting major or minor. A study of federal income tax designated to convey basic tax concepts and skills related to the individual taxpayer. Not open to accounting majors.

TAX 4001 BA-ACCT 3(3,0)
Federal Income Tax I: PR: Accounting major or minor, Junior standing and ACCT 3101 with a grade of “C” or better or C.I. Concepts and methods of determining taxable income of individuals, and selected topics.

TAX 5015 BA-ACCT 3(3,0)
Advanced Tax Topics: PR: Accounting major or minor, TAX 4001 or equivalent. Advanced tax issues affecting individuals and business entities, including corporations and partnerships.

THE 2000 AS-THEA 3(3,0)
Theatre Survey: Overview of the art and craft of the theatre. Restricted to non-majors. Materials & Supply fee: $5.00

THE 2000H AS-THEA 3(3,0)

THE 2020 AS-THEA 3(3,0)
Survey of Theatre for Majors: PR: Theatre major or departmental consent. Overview of the art and craft of theatre.

THE 2090 AS-THEA 1(0,20)
Theatre Production/Performance I: PR: B.A. Theatre major or C.I. Non-majors require departmental permission. Participation in UCF Theatre productions. Required of all BA theatre majors. Materials & Supply fee: $15.00

THE 2091 AS-THEA 1(0,20)
Theatre Production/Performance II: PR: THE 2000, B.A. Theatre major or C.I. Participation in UCF Theatre productions. Required of all BA theatre majors. Not restricted to theatre majors, but requires departmental consent Materials & Supply fee: $15.00

THE 2271 AS-THEA 3(3,0)

THE 2304 AS-THEA 3(3,0)
Script Analysis: PR: Theatre major or minor. Exploration of dramatic form with focus on playscripts for productions.

THE 2925 AS-THEA 0(0,0)
Theatre Participation: PR: Theatre major or department consent. Participation in UCF Theatre productions. May be repeated. Graded S/U.

THE 3082 AS-THEA 3(3,0)

THE 3092 AS-THEA 1(0,20)
Theatre Production/Performance III: PR: THE 2001, B.A. Theatre major or C.I. Participation in UCF Theatre productions. Required of all BA theatre majors. Not restricted to theatre majors, but requires departmental consent Materials & Supply fee: $15.00

THE 3110 AS-THEA 3(3,0)
Theatre History I: PR: (THE 3201 or THE 2000) and (THE 3303 or THE 2XXX (Script Analysis) or TPP 3650) and Theatre major or departmental consent. Development of theatre arts from prehistory through the 17th century.

THE 3111 AS-THEA 3(3,0)
Theatre History II: PR: THE 3100, THE 3305. Theatre major or departmental consent. Theatre arts from the seventeenth century to the present.

THE 3230 AS-THEA 3(3,0)
Commonality within Cultural Diversity Experienced through Theater: PR: THE 2000 or THE 2000. Through the study of dramatic literature, this course explores the commonality of human experience among various cultural groups.

THE 3240 AS-THEA 3(3,0)

THE 3303 AS-THEA 3(3,0)
Play Analysis: PR: Restricted to B.A. Theatre majors or departmental consent. A lecture course providing an overview of different elements found in the world of the play and the written text. Emphasis on theory and structure.

THE 3305 AS-THEA 3(3,0)
Dramatic Literature I: PR: (THE 2000 or THE 2000) and (THE 3303 or THE 2XXX (Script Analysis) or TPP 3650) and Theatre major or departmental consent. Playscripts from Sophocles to Jonson.

THE 3306 AS-THEA 3(3,0)

THE 3312 AS-THEA 3(3,0)

THE 4093 AS-THEA 1(0,20)
Theatre Production/Performance IV: PR: THE 3002, B.A. Theatre major or C.I. Participation in UCF Theatre productions. Required of all BA theatre majors. Not restricted to theatre majors, but requires departmental consent Materials & Supply fee: $15.00

THE 4094 AS-THEA 1(0,20)
Theatre Production/Performance V: PR: THE 4093, B.A. Theatre major or C.I. Participation in UCF Theatre productions. Required of all BA theatre majors. Not restricted to theatre majors, but requires departmental consent Materials & Supply fee: $15.00

THE 4096 AS-THEA 1(0,20)
Theatre Production/Performance VI: PR: THE 4094, Theatre Major or C.I. Participation in UCF Theatre productions. Not restricted to Theatre majors but requires departmental consent. Materials & Supply fee: $15.00

THE 4097 AS-THEA 1(0,20)
Theatre Production/Performance VII: PR: THE 4096, Theatre Major or C.I. Participation in UCF Theatre productions. Not restricted to Theatre majors but requires departmental consent. Materials & Supply fee: $15.00

THE 4098 AS-THEA 1(0,20)
Theatre Production/Performance VIII: PR: THE 4097, Theatre Major or C.I. Participation in UCF Theatre productions. Materials & Supply fee: $15.00

THE 4244 AS-THEA 3(3,0)

THE 4245 AS-THEA 3(3,0)
Musical Theatre History II: PR: B.F.A Musical Theatre major and TPP 3258, THE 4244, or departmental consent. Theatrical history of Tennessee Williams from his earliest plays to the works of Tennessee Williams from a literary, performance, and historical viewpoint.

THE 4372 AS-THEA 3(3,0)

THE 5246C AS-THEA 3(3,2)
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.

THE 5248 AS-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.

THE 5269 AS-THEA 3(3,0)
Period Props, Furniture & Architecture: PR: Admission into the graduate program, THE 5910, or C.I. Advanced Chronological study of historical genres and styles of furniture, ornament and design and their interrelationships.

THE 5275 AS-THEA 3(3,0)

THE 5307 AS-THEA 3(3,0)

THE 5376 AS-THEA 3(3,0)
Theatre/Drama of Williams, Miller, and Inge: PR: Entrance into the Graduate Program. Study of Tennessee Williams, Arthur Miller, and William Inge from a literary, performance, and historical viewpoint, instilling in students a knowledge/appreciation of their plays.

THE 5385 AS-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.

THE 5386 AS-THEA 3(3,0)
Oral Interpretation of Children’s Literature: PR: Admission to MFA graduate program or C.I. The study of interpreting literature for and with the young.

THE 5910 AS-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.
THE 5945L AS-THEA 1(0,20)
Theater Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students’ practical working knowledge in Theatre

THE 5946L AS-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

TPA 2000C AS-THEA 3(2,2)
Theatre Design Basics: PR: TPA 2000 or THE 2000 and BFA Design/Tech or Stage Management majors. Basic design skills for scenic, lighting and costume designers using color, grayscales, textures and symmetry to create a strong stage presence.

TPA 2071C AS-THEA 3(2,2)
Theatre Rendering: PR: THE 2000 or THE 2020, and TPA 2000C and BFA Design/Tech or Stage Management majors. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers.

TPA 2201 AS-THEA 3(3,3)

TPA 2210 AS-THEA 3(3,6)

TPA 2211 AS-THEA 3(3,6)

TPA 2220 AS-THEA 3(2,2)
Stage Lighting: PR: THE 2000 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.

TPA 2248C AS-THEA 2(2,2)

TPA 2290 AS-THEA 1(0,20)
Theatre Production/Performance I: PR: Not restricted to Theatre majors but requires Departmental consent. Participation in Theatre Production. Required of all B.F.A. technical theatre/design majors. Materials & Supply fee: $15.00

TPA 2291 AS-THEA 1(0,20)
Theatre Production/Performance II: PR: TPA 2290, open to non-Theatre majors with Departmental consent. Participation in Theatre Production. Required of all B.F.A. technical theatre/design majors. Materials & Supply fee: $15.00

TPA 3040 AS-THEA 3(2,2)
Costume Design: PR: TPA 2000C, TPA 2071C, TPA 3230, TPA 3044C and B.F.A. Theatre majors. Lecture/laboratory application of the fundamentals of design, composition, color theory, and figure drawing as they relate to costume design. Includes script/character analysis and project design work with emphasis on visualization of design concepts and costume renderings. Required of all B.F.A. technical theatre/design majors.

TPA 3043C AS-THEA 3(3,1)
Costume History I: PR: or CR: THE 3110. Theatre majors or Departmental consent. Costume fashion from ancient Egypt to the mid 17th century, including basic period silhouette, costume parts and accessories.

TPA 3044C AS-THEA 3(3,1)
Costume History II: PR: TPA 3043C, Restricted to Theatre majors or Departmental consent. Costume fashion from the mid 17th century to the present, including basic period silhouette, costume parts and accessories.

TPA 3060C AS-THEA 3(2,2)
Scenic Design I: PR: TPA 2000C, TPA 2071C, TPA 3250, and (THE 3303 or THE 3XX) (Script Analysis) or TYP 206050 and B.F.A. Theatre majors. The fundamentals of design, composition, color theory, drafting, perspective drawing, and rendering as they relate to scenic design. Required of all technical theatre/design majors.

TPA 3061 AS-THEA 3(2,2)
Scene Design II: PR: TPA 3060C. Restricted to B.F.A. technical Theatre/design majors or Departmental consent. 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 visualization of design concepts through models and scenic renderings. Required of all B.F.A. technical theatre/design majors.

TPA 3077 AS-THEA 2(2,2)
Scene Painting: PR: TPA 2210 and B.F.A. Technical Theatre Design majors or Stage Management majors. Study of the art and craft of painting for the theatre. Research into period designs and execution of examples selected from a variety of styles. Required of all B.F.A. technical theatre/design majors. Materials & Supply fee: $15.00

TPA 3195 AS-THEA 3(0,30)
Summer Theatre Studio/Design/Production: PR: Departmental consent. Production assignments and responsibilities during the rehearsals/performances of plays produced on the UCF mainstage. May be repeated for credit.

TPA 3197 AS-THEA 3(0,30)
Theatre Studio/Design/Performance: PR: TPA 3060C. An intensive study of the fundamentals of design and its aspects of planning and producing productions on the UCF mainstage. May be repeated for credit.

TPA 3216C AS-THEA 3(3,4)
Stagecraft III: PR: TPA 2211, BFA Design/tech or Stage Management major. A continuation of TPA 2211 with emphasis on special projects. Materials & Supply fee: $15.00

TPA 3221 AS-THEA 3(2,2)
Lighting Design: PR: TPA 2220 and TPA 3250 and B.F.A. Theatre majors. Continuation of Stage TPA 2220. Lecture/laboratory with emphasis on lighting design theory, style and individual lighting design projects. Required of all B.F.A. technical theatre/design majors.

TPA 3230 AS-THEA 3(2,2)
Costume Construction: PR: TPA 2290 or TPA 2290, and BFA Design/tech or Stage Management majors or Department Consent. 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. Materials & Supply fee: $15.00

TPA 3249 AS-THEA 2(2,2)
Advanced Makeup Techniques: PR: TPA 2248C.

UCF Courses and Descriptions

399
B.F.A. Design/Tech and Stage Management majors. Materials & Supply fee: $15.00

TPA 4298 AS-THEA 1(0,20)

TPA 4400 AS-THEA 3(3,0)
Theatre Management: PR: TPA 2211, TPA 2201. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre programs. Additional emphasis placed on management theory and style.

TPA 4602 AS-THEA 3(3,0)
Advanced Stage Management: PR: TPA 3601, B.F.A. Stage Management major. Skills necessary for stage managers in contemporary entertainment.

TPA 4940 AS-THEA 6(0,40)
Technical Theatre/Design Internship: PR: Restricted to B.F.A. Technical Theatre/design and Stage Management majors. The internship is subject to Departmental approval. Off-campus internship programs provide opportunity for practical work in professional theatre. Contact the Departmental office for specific requirements.

TPA 5042C AS-THEA 3(3,0)
Costume Design Studio: PR: Admission into the graduate program, TPA 2403C, TPA 3044C, or C.I. Project oriented course in the advance study of Costume Design

TPA 5062C AS-THEA 3(2,2)
Scene Design Studio: PR: Graduate status or C.I. Advanced work in the conceptulization and communication of scenic designs for the theatre

TPA 5081 AS-THEA 3(3,0)
Design Concepts for Youth Theatre: PR: Admission to MFA graduate program or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre.

TPA 5256C AS-THEA 3(2,2)
AutoCad-20 for Theatre: PR: Admission into the MFA Design Program. Two-Dimensional computer drafting and editing techniques applicable to theatre design.

TPA 5299C AS-THEA 3(2,2)
AutoCad-30 for Theatre: PR: Admission into the graduate program and TPA 5258C. Three-dimensional computer drafting and editing techniques applicable for theatre design.

TPA 5405 AS-THEA 3(3,0)
Theatre Management for Non-Majors: PR: THE 2000, THE 2000, graduate status, or C.I. Study of university community and professional theatre management with special attention to the principles of management to include management skills/function and organizational systems/performance as they relate to theatre organizations/institutions.

TPA 5885C AS-THEA 2(2,2)
Puppetry: PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance.

TPA 5946C AS-THEA 1(0,20)
Design Practicum I: PR: Admission into the MFA Design Program. Practical Experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer

TPA 5949C AS-THEA 1(0,20)
Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the practical application of Properties and/or Design for the Theatre

TPP 2010 AS-THEA 3(3,0)

TPP 2110C AS-THEA 3(2,2)
Acting I - Introduction: PR: PR or CR: (THE 3003 or THE 2XXX (Script Analysis) or TPL 3650) and (THE 2000 or THE 2000) and B.F.A. Theatre major. Introduction to acting with emphasis on the development of imagination, self-awareness, and the ability to execute basic stage tasks.

TPP 2170C AS-THEA 3(2,2)
Acting II - Fundamentals: PR: TPP 2110, TPP 2200C, and (THE 3003 or THE 2XXX (Script Analysis) or TPL 3650) and (THE 2000 or THE 2000) and (TTP 2710C or MUT 1004) and BFA Theatre Performance/Musical Theatre major. Fundamental techniques to acting, with emphasis on characterization and character development.

TPP 2185 AS-THEA 3(3,0)
Acting for Non-majors: Basic introduction to the fundamentals of acting with emphasis upon the development of imagination, self-awareness, sense, memory, improvisation, and the ability to execute basic stage tasks.

TPP 2190 AS-THEA 1(0,20)

TPP 2191 AS-THEA 1(0,20)

TPP 2260 AS-FILM 3(3,0)
Acting for Film: PR: Film Majors. An introduction to acting for the camera.

TPP 2710C AS-THEA 2(2,1)

TPP 3103 AS-THEA 3(3,0)

TPP 3172C AS-THEA 3(2,2)
Acting III - Characterization: PR: TPP 2170C, DAA 2201C, and (THE 3003 or THE 2XXX (Script Analysis) or TPL 3650) and (TPP 3711C or TPL 3257) and BFA performance major. Advanced work in characterization, character development, and basic audition processes.

TPP 3192 AS-THEA 1(0,20)

TPP 3197 AS-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 scripts produced on the UCF mainstage. May be repeated for credit.

TPP 3223 AS-THEA 3(3,0)
Theatre Careers for Performance: PR: B.F.A. Theatre major, Junior standing. Exploration and assimilation of successful marketing techniques needed to secure employment in Theatre or related segments of the entertainment industry.

TPP 3250 AS-THEA 3(3,0)

TPP 3252 AS-THEA 3(3,0)

TPP 3257 AS-THEA 2(2,2)
Musical Theatre Voice I: PR: B.F.A. Musical Theatre major, TPP 2710C or CR: TPP 2710C. Group voice emphasizing anatomy, physiology, diction, and character development through voice qualities.

TPP 3258 AS-THEA 2(2,2)

TPP 3310C AS-THEA 3(2,2)
Directing I: PR: THE 3111 and THE 3306, or THE 4244 and THE 4245. Junior standing. Theatre majors. Principles and techniques of play direction to include script selection, directional analysis, casting, composition/visualization, blocking, tempo, and rehearsal planning.

TPP 3510C AS-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.

TPP 3512C AS-THEA 2(2,1)

TPP 3650 AS-THEA 3(3,0)

TPP 3711C AS-THEA 2(2,1)
Voice Production I: PR: TPP 2110C, TPP 2710C, DAA 2200C, and (THE 3003 or THE 2XXX (Script Analysis) or TPL 3650) and BFA performance major. Continuation of Voice Production I; correct speech on the stage, intensified study of phonetics.

TPP 3712C AS-THEA 2(2,1)
Voice Production III: PR: TPP 2170C, TPP 3711C, DAA 2201C, and (THE 3003 or THE 2XXX (Script Analysis) or TPL 3650) and BFA performance major. Continuation of Voice Production II; emphasis on study of Shakespeare and heightened language.

TPP 3730C AS-THEA 2(2,1)
Voice Production N: PR: TPP 3712C, or TPP 4142C or TPP 3258. BFA performance/musical theatre major. Continuation of Voice Production III; the analysis and sounds of foreign dialects and regional accents; study of stage voice for age and character roles.

TPP 3952 AS-THEA 3(0,30)
Studio Performance: PR: Junior standing or C.I. Not restricted to Theatre majors but requires departmental consent. Studio performance provides the specific application of
theatre artist's training to full scale theatre productions. May be repeated for credit.

TPP 4140C AS-THEA 3(2,2) Musical Theatre Voice III: PR: Theatre majors or departmental consent, and TPP 3258. The diagnosis and development of the singing voice and its application to musical theatre performance.


TPP 4143C AS-THEA 3(2,2) Acting Styles: PR: TPP 4140C. An advanced and comprehensive view of acting styles.


TPP 4221 AS-THEA 3(3,0) Auditioning: PR: Sr. standing in BFA performance or musical theatre. Selecting monologues, auditioning techniques and cold readings.


TPP 4254 AS-THEA 3(3,0) Musical Theatre Acting Performance IV: PR: Musical Theatre majors or departmental consent. TPP 4253. Continuation of advanced study for performance on the musical theatre stage. Emphasis placed on show preparation and the rehearsal process.

TPP 4255 AS-THEA 3(3,1) Musical Theatre Cabaret: PR: Musical Theatre majors or departmental consent, TPP 4254. A capstone training and rehearsal class that emphasizes the construction and performance style of the cabaret/revue genre.
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.

TSL 5245 AS-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.

TSL 5345 ED-TLP 3(3,0) 
Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current teaching methods used in the teaching of ESOL.

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.

TSL 5376 AS-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.

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 special needs.

TSL 5940 AS-LANG 3(3,0) 
Issues in TEFL: PR: Graduate status or senior standing or C.I. Address issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design.

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. Materials & Supply 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.

TTE 5700 ECS-CEE 3(3,0) 
Railroad Engineering: PR: TTE 4004 and C.I. The major technical factors in location, construction, maintenance, and operation of railroad transportation systems.

TTE 5805 ECS-CEE 3(3,0) 
Geometric Design of Transportation Systems: PR: TTE 4004. Study of geometric and construction design elements in the engineering of transportation systems.

TTE 5835 ECS-CEE 3(3,0) 
Pavement Design: PR: CEG 4101C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy.

VIC 3001 AS-R/TV 3(3,0) 
Visual Communication: A study of the visual system of man and the influences of the visual media on modern society.
ZOO 5517 AS-BIOL 1(1,0) 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.

ZOO 5520 AS-BIOL 3(3,0) 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.

ZOO 5745C BCBS-M&M 4(3,3) Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Materials & Supply fee: $15.00

ZOO 5815 AS-BIOL 4(4,0) 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. Materials & Supply fee: $20.00

ZOO 5881C AS-BIOL 4(3,4) Fisheries Management: PR: ZOO 4310C, graduate status or senior standing, or C.I. Fisheries management of freshwater environments to include identification, sampling methods, farming and hatchery operations, propagation and population estimates. Materials & Supply fee: $20.00

ZOO 5891 AS-BIOL 1(1,0) Applied Conservation Biology: PR: Graduate status or senior standing or C.I. Examination of issues surrounding care, maintenance and tracking animals in small populations.

ZOO 5893L AS-BIOL 1(1,0) 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.

**FACULTY**

The date indicates the first year of employment at the University of Central Florida.

ASHLEY, ROBERT A., Assistant Professor of Hospitality Management (1984), B.S., M.S. (Florida International University, C.E.C., C.C.E.)

ATKINSON, STANLEY M., Associate Professor of Finance (1981), B.B.A. M.B.A., D.B.A. (Mississippi State University)

BAGLEY, GEORGE M., Associate Director and Associate Professor of Communication (1994), B.A., M.A. (University of Utah)

BAILEY, CHARLES D., Professor of Accounting (1991), B.B.A., M.B.A., M.P.A., Ph.D. (Georgia State University)


BAKER, BARRY B., Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University)


BALADO, CARL, Associate Professor of Education (1987), B.A., M.S., M.Ed., Ed.D. (Florida Atlantic University)

BALLYNTYNE, JOHN, Associate Professor of Chemistry/ Forensic Science (1998), B.S., M.S., Ph.D. (State University of New York at Stony Brook)

BALTUNIS, CATHERINE, Visiting Instructor of Communication (2003), B.A., M.A. (University of Central Florida)

BANDY, DALTON D., Chairholder, C.G. Avery Professorship, and Professor of Accounting (1985), B.S., M.B.A., Ph.D. (University of Texas at Austin)

BARAJAS, HECTOR SSG, Assistant Professor of Management (1995), B.S., M.B.A., Ph.D. (University of Missouri-Columbia)

BARSCH, KARL-HEINRICH, Associate Professor of Modern Languages and Literatures (1977), B.A., M.A., Ph.D. (University of Colorado)

BARTKEVICIUS, JOCELYN, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa)


BASSIOUNI, MOSTAFA, Professor of Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University)

BAST, CAROL M., Associate Professor of Legal Studies (1992), B.A., M.A., J.D. (New York Law School)

BATARSEH, ISSA E., Professor of Engineering (1991), B.S., M.S., Ph.D. (University of Illinois at Chicago), P.E. (Florida)

BAUER, CHRISTIAN S., Jr., Program Director and Professor of Engineering (1970), B.S.I.E., M.S.E., Ph.D. (University of Florida), P.E. (Florida)

BAUMBACH, DONNA J., Professor of Education (1978), B.S., M.S., Ed.D. (Indiana University)

BAYER, CYNTHIA A., Research Assistant, Professor (1996), B.S., Ph.D. (Syracuse University)

BECKER, DEBRA, Visiting Assistant Professor of Education (2001), B.A., M.S.Ed., Ed.D. (University of Central Florida)

BECKER, KYLE, Visiting Assistant Professor of Theatre (2004), B.F.A., M.F.A. (University of California)

BECKER, LYNN, Instructor of Management (1996), B.S., M.B.A. (University of Central Florida)

BEILE, PENNY M., Head Curriculum Materials Center and Assistant University Librarian (1998), B.A., M.Ed., M.S.L.S. (University of Kentucky)

BEILER, ROSALIND J., Associate Professor of History and Graduate Program Coordinator (1994), B.A., Ph.D. (University of Pennsylvania)

BELFIELD, KEVIN D., Associate Professor of Chemistry (1998), B.S., Ph.D. (Syracuse University)

BELL, JOHN, Associate Professor of Theatre and Coordinator of Music Theatre (1970), B.A., M.A. (University of Oklahoma)

BENNIE, JENNIFER, Instructor of Political Science (1985), B.A., M.A. (Ohio University)

BERRYMAN, STEVEN L., Assistant Professor of Psychology (2001), M.S., M.A., Ph.D. (Florida International University)

BERNARD, ARTHUR D., Associate Professor of Education (2003), B.S., M.S., Ph.D. (University of Florida)

BERTONOTTO, LUCAS A., Assistant Professor of Business (1996), B.A., M.S., M.B.A. (University of Georgia)

BETZ, MICHELLE, Lecturer of Theatre (1999), B.A. (Carleton University)

BHATTACHARYA, ANIKET, Assistant Professor of Physics (2000), Ph.D. (University of Maryland)

BIGGERSTAFF, JOHN L., Visiting Assistant Professor of Molecular Biology and Microbiology (2000), B.S., M.S., Ph.D. (Brunel University)

BIRMAH, KAREN L., Chair and Professor of Education (1985), B.A., M.A., M.S.Ed., Ph.D. (State University of New York at Buffalo)

BISHOP, PATRICIA J., Director of Graduate Studies and Professor of Engineering (1978), B.S.E., M.S.M.E., Ph.D. (Purdue University), P.E. (Florida)

BLACKWELL, CHRISTOPHER, Visiting Instructor (2004), RN, MSN (University of Central Florida)


BLAIR, TIMOTHY R., Professor of Education (1991), B.S., M.S., Ph.D. (University of Illinois)

BLANES, MARIA, Assistant Professor of Education (1997), B.A., M.S.Ed., Ph.D.

BLANEY, KATHY, Instructor of Medical Lab Science (1991), M.S. (University of Central Florida)

BLEDSOE, CAROL, Coordinator and Instructor of Communication (1970), B.A., M.A. (University of Oklahoma)

BLOCK, DAVID L., Director, Florida Solar Energy Center and Professor of Engineering (1968), B.S., M.S., Ph.D. (Virginia Polytechnic Institute), P.E. (Florida)

BLOCK, LINDA J., Instructor of Finance (2002), B.B.A., MBA, Ph.D. (Purdue University)

BLUE, CARROLL, Professor of Film (1980), B.A., M.F.A. (University of California, Los Angeles)

BLUM, RICHARD A., Professor of Film (1993), B.A., M.S., Ph.D. (University of Southern California)

BOBEK, DONNA D., Assistant Professor of Accounting (1997), B.B.A., Ph. D. (University of Florida)

BOGUMIL, WALTER A., JR, Associate Professor of Management (1972), B.S., M.B.A., Ph.D. (University of Georgia)

BOHM, ROBERT M., Professor of Criminal Justice (1995), A.B., M.A., Ph.D. (Florida State University)

BOLEMON, JAY S., Associate Professor of Physics (1968), B.S., Ph.D. (University of South Carolina)

BOLONI, LANDISLAU, Assistant Professor of Engineering (2002), B.S., M.S., Ph.D (Purdue University)

BOOTE, DAVID N., Assistant Professor of Education (2000), B.Ed., B.I.S., M.A. Prof.D. (Simon Fraser University, British Columbia, Canada)

BORD, STEPHEN F., Associate Professor of Finance (1994), B.P.S., M.B.A., Ph.D. (Florida Atlantic University)

BOREMANN, GLENN D., Professor of Engineering (1984), B.S., M.S., Ph.D. (University of Arizona), P.E. (Florida)

BORJESSON, WIVECA I., Visiting Instructor in Psychology (2003), B.A., M.S. Ph.D. (University of Central Florida)

BORRIECI, RICHARD, Instructor of Marketing (2001), B.S., M.B.A. (Ohio University)

BOSE, SUBIR K., Professor of Physics (1987), B.Sc., M.Sc., Ph.D. (University of Allahabad)


BOUKOZVA, LAURENT, Associate Professor of Music (2004), Diploma (Paris)
and Professor of Music (1990), B.A., M.M.E. (University of North Texas)

BYRTH, ANTHONY K., Chair and Associate Professor of Finance (1993), B.S., M.B.A., Ph.D. (University of South Carolina)

CAULESTANI, CRISTINA, Assistant Professor of Biology (2003), Ph.D. (University of Parma)

CALLAHAN, JUDITH S., Assistant Professor of Management (2001), B.M.A., Ph.D. (University of Maryland - College Park)

CALLARMAN, WILLIAM G., Associate Professor of Management (1972), B.B.A., M.B.A., Ph.D. (Arizona State University)

CAMP, DONNA J., Associate Professor of Education (1989), B.A., M.Ed., Ph.D. (University of Oklahoma)

CAMPBELL, ANNA, Assistant Professor of Sociology (2005), B.A., M.A. (University of Texas-Austin)

CAMPBELL, JAMES, Associate Professor of English (1996), B.A., M.A., Ph.D. (University of Notre Dame)

CAMPIGLIA, ANDRES, Associate Professor of Chemistry (2003), B.S., M.S., Ph.D. (University of Florida)

CAMPINS, HUMBERTO, Professor (2003), Ph.D. (University of Arizona)

CANNON, JOHN R., Professor of Mathematics (1993), B.A., M.A., Ph.D. (Rice University)

CARDARELLI, DIANE, Instructor of Music (2000), Ed.D. (University of Central Florida)

CARON, RICHARD M., Associate Professor of Mathematics (1972), B.A., Ph.D. (Louisiana State University)

CARRAccepted, JOHN A., Assistant Professor of English (2003), B.A., M.A., M.I.S., Ph.D. (University of South Carolina)

CARTA, ROBERTO, Visiting Assistant Professor (2004), B.S., M.S., Ph.D. (University of South Carolina)

CASH, MASON, Assistant Professor of Philosophy (2003), B.S., Dip.Hum, M. Phil, Ph.D (University of Alberta)

CASMIER-PAZ, LYNN A., Associate Professor of English (1997), B.A., M.A., Ph.D. (University of Pittsburgh)

CASSANELLO, ROBERT V., Visiting Assistant Professor of History (2003), B.A., M.A., Ph.D. (Florida State University)

CATAS, NECTARI, Assistant Professor of Engineering (2003), B.S.C.E., M.S., Ph.D. (University of Cincinnati)

CATO, FARIDA M., Instructor of English (2003), B.A., M.A. (University of Central Florida)

CELAYA, BEATRIZ, Assistant Professor of Modern languages and Literatures (2003), B.A., M.A., Ph.D. (Washington University, St. Louis)

CHAI, KARL X., Associate Professor of Molecular Biology and Microbiology (1996), B.S., Ph.D. (Medical University of South Carolina)

CHAKRABARTI, DEBOPAM, Associate Professor of Molecular Biology and Microbiology (1995), B.S., Ph.D. (University of Calcutta-Bose Institute)

CHAKRABARTI, RATNA, Associate Professor of Molecular Biology and Microbiology (1996), B.S., M.S., Ph.D. (University of Calcutta)

CHASE, ARLEN F., Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)

CHASE, DIANE Z., Interim Assistant Vice President, International and Interdisciplinary Studies, and Pegasus Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)

CHATTERJEE, MAINAK, Assistant Professor of Engineering (2002), B.S., M.S., PhD (University of Texas at Arlington)

CHAVDA, JAGDISH J., Professor of Art (1972), B.F.A., M.F.A. (Michigan State University)

CHEN, HUEY SHYS, Assistant Professor (2004), B.SN, MSN, PhD (University of Texas)

CHEN, PO-JU, Assistant Professor of Hospitality Management (2002), B.A., M.S. (Pennsylvania State University)

CHEN, QUANFANG, Assistant Professor of Engineering (2001), Ph.D. (Tsinghua University)

CHEN, RUEY-HUNG, Associate Professor of Engineering (1993), B.S., M.S., Ph.D.
UCF Faculty and Administrative Officers

(University of Michigan)

CHENEY, JOHN M., Associate Professor of Finance
(University of Tennessee)

CHENEY, PAUL H., Chair and Professor of Management Information Systems
(1999), B.S., M.B.A., Ph.D.
(University of Minnesota)

CHERRY, LEONID, Assistant Professor
(1999), Ph.D. (Weizmann Institute)

CHERRY, B. R., Instructor of Legal Studies
(1999), B.A., J.D.
(University of Florida)

CHEW, LARRY, Associate Professor of Engineering
(1990), B.A., B.S., M.S., Ph.D.
(University of Washington)

CHICUREL, STEVEN, Associate Professor of Theatre
(University of Kentucky)

CHIN, MATTHEW, Instructor in Psychology
(1998), B.A., M.A., Ph.D.
(University of California Santa Barbara)

CHO, HYOUNG, Assistant Professor of Engineering
(2002), B.S., M.S., Ph.D.
(University of Cincinnati)

CHOI, YOON K., Associate Professor of Finance
(1997), B.S., M.S., Ph.D.
(University of Michigan)

CHOPRA, MANOHAR, Associate Professor of Engineering
(1993), B.S., M.S., Ph.D.
(State University of New York at Buffalo), P.E.
(Florida)

CHOUDHURY, SUDIPTO R., Associate Professor of Mathematics
(1990), B.S., M.S., Ph.D.
(Cornell University)

CHOW, LEE, Professor of Physics
(1983), B.S., Ph.D.
(Clark University)

CHOW, LOUIS C., Professor of Mechanical, Materials, and Aerospace Engineering
(1996), A.B., M.S., Ph.D.
(University of California, Berkeley)

CIRCLE, DARLENE, Instructor of Education
(2001), B.S., M.S.
(Nova Southeastern University)

CLAMPIST, JOYCE A., Associate Vice President, Administration and Finance
(1968), B.A., M.S., Ph.D.
(Florida State University)

CLARK, EUGENE A., Assistant Professor of Education
(1969), M.A., Ph.B.
(University of Central Florida)

CLARK, JAMES, Instructor of History
(1986), B.A., M.A., Ph.D.
(University of Florida)

CLARKE, THOMAS L., Associate Professor of Mathematics
(2001), B.S., M.S., Ph.D.
(University of Miami)

CLAUSEN, CHRISTIAN A., III, Professor of Chemistry
(1969), B.S., Ph.D.
(Louisiana State University)

CODDINGTON, NICHOLAS E. MAJ., Assistant Professor of Military Science
B.S. (United States Military Academy), M.E.M. (Saint Martin's College), M.S.S.I. (Joint Military Intelligence College)

COFFEE, KEVIN, Assistant Professor of Engineering
(2002), B.S., B.A., M.S., PhD (MIT)

COHN, SHERYL, Instructor of Education
(Nova Southeastern University)

COLBY, PETER W., Professor of Public Administration
(1985), B.A., Ph.D.
(Endreis University)

Colding, Linda K., Assistant University Librarian
(1999), B.A., M.A., M.S.L.S., D.P.A.
(University of Alabama)

COLE, ALEXANDER, Assistant Professor
(2003), Ph. D., Cell Biology/Biomedical Sciences

ELDER, CLIFFORD, Captain, USAF, Assistant Professor of Aerospace Studies
(2000), B.S., M.S.
(Troy State University)

COLLINS, STEVEN, Assistant Professor of Communication
(2003), B.A., M.A., Ph.D.
(Syracuse University)

COMPSON, JANE, Instructor of Humanities, Philosophy, and Religion
(2003), B.A., M.A., Ph.D.
(University of Bristol)

CONDLY, STEVEN J., Assistant Professor of Education
(1999), B.A., M.Ed., Ph.D.
(University of Southern California)

CONDON, KRISTIN G., Professor of Film and Humanities
(1989), B.A., M.S., Ph.D.
(University of Oregon)

CONNELL, LESLIE, Instructor of Management
(University of Central Florida)

CONROY, ANNABELLE, Assistant Professor
(2004), B.A., M.A., Ph.D.
(University of Pittsburgh)

CONWAY, TED, Associate Professor of Engineering
(1999), B.S., M.S., PhD (Illinois at Urbana-Champaign)

COOK, IDA J., Associate Professor of Sociology
(1976), B.A., M.S., Ph.D.
(North Carolina State University)

COOK, KATHY S., Internship Coordinator and Instructor of Legal Studies
(1983), B.A., J.D.
(University of Florida)

COOK, LISA, Visiting Lecturer of Film
(1979), B.A.
(Rutgers University)

COOPER, C. DAVID, Professor of Engineering
(1980), B.S., M.S., Ph.D.
(Clemson University), P.E.
(Texas)

COOVAR, ROSIDA, Associate Professor of Engineering Technology
(1992), Dipl. Engr., M.S.E.E., Ph.D.
(University of Central Florida)

CORNETT, JEFFREY W., Chair and Professor of Education
(1989), B.S., M.Ed., Ph.D.
(Ohio State University)

CORNELL, VICKI, Instructor of Education
(1987), B.S., M.Ed.
(University of Toledo)

CORREA, EDMA D., Assistant University Librarian
(1999), B.A., M.L.S. (University of Puerto Rico)

CORZINE, JAY, Chair and Professor of Sociology
(1996), B.A., M.A., Ph.D.
(Washington University)

COSTAIN, RAYMOND E., Assistant Professor of Communication
(2001), B.A., M.A., Ph.D.
(Iowa University)

COURNEY, JAMES F., Professor of Management Information Systems
(2000), B.A., M.B.A., Ph.D.
(University of Texas at Austin)

COVELLI, MAUREEN M., Assistant Professor, School of Nursing
(1989), R.N., PhD.
(University of Florida)

COVERSTON, HARRY S., Visiting Instructor of Humanities
(Florida State University)

CRAWFORD, PATRICIA, Associate Professor of Education
(1996), B.S., M.Ed., Ph.D.
(Pennsylvania State University)

CRAWLS, ROLANDIS, 1 Lt., USAF, Assistant Professor of Aerospace Studies
(2001), B.A., M.A.
(Vadosta State)

CREPEAU, RICHARD C., Associate Professor of Hospitality Management
(1972), B.S., M.A., Ph.D.
(Florida State University)

CROES, ROBERTICO, Associate Professor of Hospitality Management
(2002), B.A., M.A., Ph.D.
(University Twente Netherlands)

CROSS, LEE, Associate Professor of Education
(1990), Ph.D.
(University of North Carolina at Chapel Hill)

CROUSE, TACE T., Visiting Assistant Professor of Education
(University of Central Florida)

CROWSON, LAWRENCE, Instructor of Marketing
(2002), B.A., B.S., MBA (University of Alabama)

CRUPMPTON-YOUNG, LESIA, Chair, Professor of Engineering
(2002), B.S., M.S., PhD (Taxes A & M University)

CURIASI, PAUL, Research Associate
(1973), B.A.
(Florida State University)

CUTCHINS, CONSTANCE E., Instructor in Statistics
(1986), B.A., M.A.
(Pennsylvania State University)

CUTLER, JUDY, Assistant Professor
(2003), B.A., M.A., Ph.D.
(State University of New York)

DA VITORIA LOBO, NIELS, Associate Professor of Computer Science
(1993), B.Sc., M.Sc., Ph.D.
(University of Toronto)

DAIRE, ANDREW, Assistant Professor of Education
(2001), B.S., M.S., Ph.D.
(Florida State University)

DALKIRAN, DEMET, Visiting Instructor of Finance
(2002), B.S., MBA (University of Central Florida)

DALRYMLE, BRENT B., Instructor of Finance
(2000), B.A., M.B.A., Ph.D.
(Louisiana State University)

DANIHELL, HENRY, Professor of Molecular Biology and Microbiology
(1998), B.S., M.S., Ph.D.
(Madurai-Kamaraj University)

DAS, SAMAR, Assistant Professor of Marketing
(1998), B.S., M.B.A., Ph.D.
(University of Arizona)

DAVIDSON, ADENEKE M., Assistant Professor of English
(2000), B.A., M.A., Ph.D.
(University of Maryland)

DAVIDSON, ZYULIENE, Assistant Professor
(2003), M.S., Ph.D.
(University of Central Florida)

DAVIS, DUANE L., Professor of Marketing
(University of Kentucky)

DAVIS, JILL, Visiting Instructor
(2003), MSW (University of Central Florida)

DAVIS, LAUREL, Clinical
DICKSON, DUNCAN, Assistant Professor of Hospitality Management (2001), B.A., M.P.S. (Cornell University)

DIEZ, JOHN D., Associate Professor of Engineering (1982), B.S., M.S., Ph.D. (Clemson University, P.E. (Florida, Mississippi)

DIEZ, TRACY L., Associate Professor of Sociology (1997), B.A., M.A., Ph.D. (University of North Texas)

DILLARD, JESSE F., Chairholder, KPMG Professorship and Professor of Accounting (2000), B.S., M.S., Ph.D. (University of South Carolina)

DINAPOLI, JOSEPH, Visiting Instructor - Brevard (2002), M.S., Speech-Language Pathology (Columbia University)

DIPBOYE, ROBERT L., Professor of Psychology (2004), B.A., M.S., Ph.D. (Purdue University)

DIPERRO, JOHN C., Associate Professor of Modern languages and Literatures (1970), A.B., M.A., Ph.D. (University of Kansas)

DIVO, EDUARDO, Assistant Professor of Engineering Technology (2003), B.S., M.S., Ph.D. (University of Central Florida)

DIXON, GEORGE J., Associate Professor of Engineering (1989), B.S., B.S., M.S., Ph.D. (University of South Florida)

DIXON, JULI, Associate Professor of Education (2000), B.A., M.S. Ph.D. (University of Florida)

DOLAN, CHRIS J., Assistant Professor (2002), B.A., M.A., Ph.D. (University of South Carolina)


DORNER, JOYCE E., Executive Associate Dean, College of Health and Public Affairs and Associate Professor of Nursing (1980), R.N., M.S.N. (University of Florida)

DOUGLASS, SHARON E., Associate Professor of Health Sciences (1980), B.S., M.S. (University of New York at Buffalo)

DOW, KAREN HASSEY, Professor of Nursing (1995), B.S.N., M.S.N., Ph.D. (Boston College)

DOWLING, SPENCER, Visiting Assistant Professor of History (2001), B.A., M.A., Ph.D. (University of North Carolina)

DRAKE, JAMES A., Associate Vice President and Director of Southern Region Area Campuses (1994), A.B., Ph.D. (Ohio State University)

DREILING, GILLIAN, Instructor of Communicative Disorders (1989), B.S., M.S. (Texas Tech University)

DUBEY, ARCHANA, Instructor (2002), Ph.D. (Bhavnagar University)

DUCHARME, ALFRED, Associate Professor of Engineering Technology (2003), B.S., M.S., Ph.D. (University of Central Florida)

DUKE, JEFF, Visiting Instructor of Education (2002), B.S., M.S. (Florida State University)

DUNLAP, RILEY E., Professor of Sociology (2005), B.A., M.S., Ph.D. (University of Oregon)

DUNLOP-PYLE, LORI L., Visiting Instructor of Mathematics (1999), B.A., M.S. (University of Central Florida)

DUNN, MICHAEL E., Associate Professor of Psychology (1996), B.S., Ph.D. (University of South Florida)

DUNN, STACEY T., Associate Professor of Psychology (1999), B.A., M.S., Ph.D. (McMaster University)

DURRANCE, SAMUEL T., Associate Professor of Engineering (1999), B.S., M.S., Ph.D. (University of Colorado)

DUTTON, RONALD D., Associate Chair and Professor of Computer Science (1972), B.S., M.S., Ph.D. (Washington State University)

DUVALL, RICK, Assistant Professor of Education (2001), B.A., M.Ed., Ph.D. (University of South Carolina)

DWYER, PEGGY D., Associate Professor of Accounting (1997), B.A., Ph.D. (University of Missouri-Columbia)

DZIUBAN, CHARLES D., Director, Research Initiative for Teaching Effectiveness, and Professor of Education (1970), B.S., M.Ed., Ph.D. (University of Wisconsin)

EAGLIN, RONALD, Assistant Dean for Distributed Learning and Chair Engineering Technology (1995), B.S.M.E., M.S. Env E., Ph.D. (University of Central Florida)

EASTEP, MARY ANN, Internship Coordinator and Instructor of Criminal Justice (1995), B.A., M.S. (Shippensburg University of Pennsylvania)

EBSTER, DEBORAH M., Associate University Librarian (2003), B.A., M.S. (University of Illinois)

ECHAMBANDI, RAJ, Assistant Professor of Marketing (1998), B.S., M.B.A., Ph.D. (University of Houston)

EDWARDS, OLIVER W., Assistant Professor of Education (2002), M.Ed., Ed.S. Ed.D. (Florida International University)

EDWARDS III, THOMAS J., Director, Radiologic Sciences Program and Associate Professor of Health Sciences (1980), RT (ARRT), B.S., B.S.R.T., M.A., Ed.D. (University of Central Florida)

EPITHIMOU, COSTAS, Assistant Professor (2002), Ph.D. (Cornell University)

EHASP, MARIBETH, Associate Vice President for Academic Development and Retention (1994), B.S., M.A., Ph.D. (University of Toledo)

EIDSON, SUE ANN, Instructor of Communicative Disorders (2001), B.S., M.S. (Florida State University)

ELJIOU, A., Assistant Professor of Engineering (2001), B.S., M.S., Ph.D (University of South Florida)

ELLIOTT, KIERSTEN M., Assistant Professor of Marketing (2001), B.S., Ph.D. (Duke University)

ELLIS, E. TAYLOR, Associate Dean, Graduate Programs, and Associate Professor of Hospitality Management (1990), B.S., M.S., M.B.A., Ph.D. (Texas A&M University)

ELSHEIMER, SETH R., Associate Professor of Chemistry (1985), B.S., Ph.D. (University of Florida)

ELSHENNawy, AHMAD K. M., Associate Professor of Engineering (1986), B.S., M.S., M.Eng., Ph.D. (Pennsylvania State University)

ELSTON, JULIE A., Assistant Professor of Economics (1998), B.S., Ph.D. (University of Washington)

ENGLEHART, DEIRDRE, Visiting Instructor of Education (1999), B.A., M.Ed. (University of Central Florida)

UCF Faculty and Administrative Officers

Central Florida)

EUNZET, PATRICIA J., Instructor of Economics
1991, B.A., M.A. (Clemson College)

EVANS, DOUG, Instructor of Humanities
2002, B.A., M.A., Ph.D. (Florida State University)

EVANS, RUBY, Associate Professor of Education
2002, B.S., M.S., Ed.D. (University of Florida)

EVANS, THOMAS G., Professor of Accounting
1990, B.S., M.B.A., Ph.D. (Michigan State University)

EVERETT, JR., ROBERT M., Associate Professor of Education
1990, B.S., M.S., Ph.D. (University of Southern Mississippi)

EZELL, DAN, Assistant Professor of Education
1997, Ed.D. (University of Alabama)

FABLEY, DINA A., Instructor of Modern languages and Literatures
1996, B.A., M.A. (University of South Carolina)

FABIANIC, DAVID A., Professor of Criminal Justice
1985, B.A., M.S., Ph.D. (University of Iowa)

FALLEN, THOMAS J., Program Director/Instructor of Health Information Management and Health Services Administration
1996, B.S., M.A. (Webster University)

FANG, JIYU, Associate Professor of Engineering
Ph.D. (Southeast University)

FARLESS, PATRICIA, Instructor of History
1997, B.A., M.A. (University of Central Florida)

FAUTH, JOHN E., Associate Professor of Biology
2003, Ph.D. (Duke University)

FAVOROV, OLEG V., Associate Professor of Computer Science
1999, B.S., Ph.D. (University of North Carolina at Chapel Hill)

FEDLER, FREDERICK E., Professor of Communication
1971, B.S., M.A. (University of Minnesota)

FELDMAN, MARY ANN, Associate Professor of Public Administration
1997, B.S.N., M.S.N., Ph.D. (Florida Atlantic University)

FERNALD, LLOYD W., Professor of Management

FERNANDEZ, JOSE B., Associate Dean, College of Arts & Sciences and Pegasus Professor of History and Modern languages and Literatures
(1981), B.A., M.A., Ph.D. (Florida State University)

FERNANDEZ-VALLE, CRISTINA, Associate Professor of Molecular Biology and Microbiology
(1995), B.S., Ph.D. (University of Miami)

FINE, TERRI S., Associate Professor of Political Science
1989, B.A., M.A., Ph.D. (University of Connecticut)

FINNOFF, DAVID C., Assistant Professor of Economics
2001, B.S., Ph.D. (University of Wyoming)

FIORE, STEPHEN M., Research Associate
1998, B.S., M.S., Ph.D. (University of Pittsburgh)

FISHER, RANDY D., Associate Professor of Psychology
1971, B.A., Ph.D. (Vanderbilt University)

FISHER, THOMAS, Visiting Instructor of Education
1998, M.A. (Rollins College)

FISHER, WILLIAM P., Darden Eminent Scholar in Restaurant Management and Professor of Hospitality Management
2001, B.S., M.B.A., Ph.D. (Cornell University)

FLAGG, JAMES R., Instructor of Legal Studies
1996, B.B.A., J.D., L.L.M. (Washburn University)

FLAMMIA, MADELYN, Associate Professor of English
1990, B.A., M.A., Ph.D. (Rutgers University)

FLANNERY, FRANCIS GARY, Assistant in Theatre

FLITSIYAN, ELENA, Assistant Professor
2002, Ph.D. (UzSSR Academy of Science)

FLUEGEL, DARLANNE, Visiting Lecturer of Film

FOLSE, KEITH S., Assistant Professor of Modern languages and Literatures
2000, B.A., M.A., Ph.D. (University of South Florida)

FOOKES, BARRY G., Professor of Chemistry/ Forensic Sciences
1997, B.S., Ph.D. (Brunel)

FOOROSH, HASSAN, Assistant Professor of Computer Science
2002, B.S., M.S., PhD (Institut National dela Recherche)

FORD, CAMERON, Associate Professor of Management
1997, B.S., Ph.D. (Pennsylvania State University)

FORD, JASON A., Assistant Professor of Sociology
2002, B.A., M.A., Ph.D. (Bowling Green State University)

FORD, ROBERT C., Associate Dean, College of Business Administration, Professor of Management
1993, B.A., M.B.A., Ph.D. (Arizona State University)

FORD, ROBERT E., Instructor of Criminal Justice
2000, B.A., M.A., Ph.D. (University of Illinois)

FOTTLE, MYRON D., Professor and Program Director of Health Services Administration Program
1999, B.S., M.B.A., Ph.D. (Columbia University)

FRANCIS, MADISON K., Chair and Professor of Art
1986, B.F.A. (Cleveland Institute of Art)

FREDERICK, TERRY J., Associate Dean, College of Arts & Sciences, Professor of Digital Media, and Distinguished Service Professor of Computer Science
1975, B.S., M.S., Ph.D. (University of Wisconsin)

FRITZSCHE, BARBARA, Associate Professor of Psychology
1996, B.S., M.A., Ph.D. (University of South Florida)

FRYE, MELISSA, Assistant Professor of Finance
1999, B.S., Ph.D. (Georgia Institute of Technology)

FULLER, DAVID, Assistant Professor of Education
2002, B.A., M.Ed., Ph.D. (Southern University)

FULLER, DONALD A., Associate Professor of Marketing
1972, BSIM, M.B.A., Ph.D. (Georgia State University)

GALLAGHER, SHAWN, Professor of Philosophy
2003, B.A., M.A., M.A., Ph.D (Bryan Mawr College)

GAMMONLEY, DENISE, Assistant Professor of Social Work
2003, BS, MSW, Ph. D. (University of North Carolina-Chapel Hill)

GANESH, JAISHANKAR, Assistant Professor of Marketing
1996, B.S., B. Tech., M.B.A., Ph.D. (University of Houston)

GARCIA, JUAN, T Sgt. NCOIC, Information Management
1995, B.S., M.A., D.M.A. (University of Miami)

GARCIA, STEPHANIE MAYFIELD, Visiting Instructor of Marketing
2001, B.A., M.S. (Florida International University)

GIBBS, W. ERNEST, Associate Professor of Economics
1987, B.S., M.B.A., M.A., Ph.D. (Rutgers University)

GILKESON, JAMES H., Professor of Art

GERSTEIN, MARK, Assistant Professor of Film
1986, B.A. (University of Chicago)

GERVASI, KAREEN, Assistant Professor of Modern languages and Literatures
2003, B.A., M.A., Ph.D. (University of Southern California)

GIANNUZZI, LUCILLE A., Professor of Engineering
1999, B.S., M.S., Ph.D. (Pennsylvania State University)

GIBB, ROBERT W., SFC, Operations Sergeant
1994, B.S., M.S., Ph.D. (Duke University)

GIBBS, W. ERNEST, Associate Professor of Economics
1987, B.S., M.B.A., M.A., Ph.D. (Rutgers University)

GILES, JAMES H., Associate Professor of Finance
1994, B.S., M.S.M., Ph.D. (Duke University)
GILSON, RICHARD, Professor of Psychology  
(1985), B.S., M.S., Ph.D.  
(Princeton University)  

GIORDANO, PAUL, Chair and Professor of Modern Languages and Literatures  
(2004), B.A. (Southern Connecticut State University), M.A., Ph.D. (Indiana University)  

GODA, DONNA, Instructor Librarian  
(1999), B.S., M.A., M.L.I.S. (San Jose State University)  

GOLDSTEIN, WARREN S., Assistant Professor of Sociology  

GOLDWATER, PAUL M., Associate Professor of Accounting  
(1989), B.C., B.S., Ph.D.  
(Louisiana State University-Baton Rouge)  

GOMEZ, FERNANDO J., Professor of Computer Science  
(1981), B.A., M.A., Ph.D. (Ohio State University)  

GOMRAD, MARYELLEN, Instructor of English  
(2002), B.A., M.A. (University of Central Florida)  

GONZALEZ, AVELINO J., Instructor of English  
(2002), B.A., M.A. (University of Central Florida)  

GOODMAN, STEPHEN H., Associate Professor of Management Information Systems  
(1984), B.S., M.B.A., Ph.D.  
(Pennsylvania State University)  

GORDON, FON, Professor of History  
(2001), B.A., M.S.E., Ph.D.  
(University of Arkansas)  

GOSNELL, SUSAN, Visiting Instructor of Health Sciences/Radiologic Sciences  
(1999), B.S., M.S. (Florida Institute of Technology)  

GOWAN, MARY, Associate Professor of Management  
(1998), B.A., M.A., Ph.D.  
(University of Georgia)  

GRAHAM, RITA, Instructor of Communication  
(2003), B.A., M.A., Ph.D.  
(University of Florida)  

GRAJEDA, ANTHONY, Assistant Professor of English  
(2001), B.A., M.A., Ph.D.  
(University of Wisconsin-Milwaukee)  

GREEN, CHERYL E., Associate Professor of Social Work  
(1977), B.A., M.S.W., Ph.D. (Clark Atlanta University)  

GREENHAW, THOMAS D., Assistant Professor of History  
(1969), B.A., M.A., Ph.D. (Auburn University)  

GREENWOOD, RICHARD, Director of Bands and Professor of Music  
(1988), B.M.E., M.M., Ph.D. (Florida State University)  

GRISET, PAMILA L., Associate Professor of Criminal Justice  
(1993), B.A., M.S., Ph.D. (State University of New York at Albany)  

GUADNEK, WALTER, Professor of Art  
(1970), M.A., Ph.D. (New York University)  

GUHA, ARUP, Lecturer  
(1999), B.S., M.S. (University of Wisconsin)  

GUHA, RATAN K., Professor of Computer Science  
(1980), B.S., M.S., Ph.D. (University of Texas)  

GULLO, MARIFRANCES, Visiting Instructor  
(2004), RN, MSN (UCF)  

GUNDY, CYNTHIA, Instructor of Marketing  
(2000), B.S., M.B.A. (University of Central Florida)  

GUNTER, GLENDA, Associate Professor of Education  
(1996), A.S., B.S., M.A., Ph.D. (Mississippi State University)  

GUO, LIJIA, Assistant Professor of Statistics  
(2000), B.S., M.S., Ph.D. (University of Cincinnati)  

GUPTA, PRANJAL, Assistant Professor of Marketing  
(2001), B.Sc., M.B.A., Ph.D. (Texas A&M University)  

GURNEY, DAVID W., Associate Professor of Education  
(1970), B.A., M.A., Ph.D. (Florida State University)  

HAGEDOORN, A. HENRY J., Associate Professor of Engineering  
(1996), B.S., M.S., Ph.D. (Cornell University), P.E. (Florida, Virginia)  

HAGEN, SCOTT C., Associate Professor of Engineering  
(1997), B.S.E., Ph.D. (University of Notre Dame), P.E. (Florida)  

HAGERSTROM, GLENN, Instructor, School of Nursing  
(2001), M.S.N., A.R.N.P. (University of Central Florida)  

HALL, SCOTT F., Assistant Professor of Art  
(2000), B.F.A., M.F.A. (Washington University, St. Louis, Missouri)  

HALL, WILLIAM J., Associate Professor of Communication  

HAM, CHAN, Visiting Asst. Professor  
Ph.D. (University of Central Florida)  

HAN, DEUANG, Assistant Professor of Mathematics  
(1998), M.S., Ph.D. (Texas A&M University)  

HAN, ZHONGXIAN, Assistant Professor  
(2003), B.S., M.S., Ph.D. (Ohio State University)  

HANCOCK, PETER, Provost Distinguished Research Professor and Professor of Psychology  

HANDBERG, ROGER B. JR., Chair and Professor of Political Science  
(1972), B.A., Ph.D. (University of North Carolina)  

HANLON, CHRISTINE, Instructor of Communication  
(2003), B.A., M.A. (University of Central Florida)  

HANSON, KENNETH, Visiting Assistant Professor of Judaic Studies  
(2003), B.S., M.S., Ph.D. (University of Maryland)  

HARALAMBOUS, MICHAEL, Assistant Professor of Engineering  
(1979), B.S., M.S., Ph.D (George Washington University)  

HARRAMS, MICHAEL, Assistant Professor of Business Administration  
(1997), B.A., M.S., Ph.D. (University of South Carolina)  

HARRIS, CHRISTOPHER, Assistant Professor of Film  

HARRIS, JUDY, Assistant Professor of Marketing  
(2001), B.B.A., Ph.D. (University of Houston)  

HARRIS, LANI, Associate Professor of Theatre  
(1997), B.A., M.F.A. (University of Southern California)  

HARRISON II, RICHARD H., Associate University Librarian  
(2001), B.A., M.L.S. (Vanderbilt University)  

HARTLE, LYNN, Associate Professor of Education  
(2000), B.Ph., M.A., Ph.D. (The Pennsylvania State University)  

HARTMAN, JOEL L., Vice Provost, Information Technologies and Resources  
(1995), B.S., M.S., Ed.D. (University of Central Florida)  

HARVEY, CHARLOTTE, Instructor of Communicative Disorders  
(1990), B.A., M.S., Ed.D. (University of Central Florida)  

HARVEY, JAMES E., Associate Professor of Engineering  
(1990), B.S., M.S., Ph.D. (Arizona State University)  

HATCHER, KAREN J., Visiting Instructor of Education  

HAWKINS, RACHEL, Instructor of Communicative Disorders  
(1995), B.S., M.S. (Murray State University)  

HAWKINS, RONNIE, Associate Professor of Philosophy  
(1994), B.S., M.D., M.A., Ph.D. (University of Florida)  

HAXTON, DAVID, Professor of Art  

HAYES, B. GRANT, Assistant Professor of Education  
(1999), B.A., M.Ed., Ed.S., Ph.D. (University of South Carolina)  

HAYNES, JOHN D., Visiting Professor of Management Information Systems  
(2001), B.A., M.A., Ph.D. (Bond University, Australia)  

HAZELWOOD, PATRICIA, Instructor  
(2004), MSN, AARP (University of Florida)  

HEINRICH, HELDGE H., Assistant Professor  
(2003), Ph.D. (Federal Institute of Technology)  

HEINRICH, MARK, Assistant Professor of Computer Science  
(2003), B.S., M.S., Ph.D (Stanford University)  

HELSINGER, JIM, Artistic Director of Shakespeare Festival and Visiting Assistant Professor of Theatre  

HEMSCHEMEYER, JUDITH, Professor of English
HIT, JOHN C., President of the University and Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)
HODGSON, SHARI, Instructor of Communication (1999), B.A., M.A. (University of Central Florida)
HOOKEKRA, ROBERT L., Associate Professor of Engineering (1993), B.A., M.DES., Ph.D. (University of Cincinnati)
HOEPNNER, ATHENA R., Associate University Librarian (1995), B.F.A., M.L.S. (Simmons College)
HOFLER, RICHARD A., Professor of Economics (1899), B.S., Ph.D. (University of North Carolina-Chapel Hill)
HOLLENLEUTNER, KATHLEEN, Instructor of English (1998), B.A., M.A., Ph.D. (University of Notre Dame)
HOLCOMB, AL D., Assistant Professor of Music (2000), B.M.E., M.M.E., Ph.D. (University of Hartford)
HOLCOMB, LYDIA O., Associate Professor of Nursing (1997), B.S.N., M.S.N., D.N. (University of Alabama)
HOLDER, JANICE, Instructor of Physical Therapy (1994), B.S., M.S.P.T. (Andrews University)
HOLLAND, KATHIE K., Visiting Instructor of Management (2001), B.S., M.B.A. (University of Central Florida)
HOLMES, STEPHEN, Assistant Professor of Criminal Justice (1997), B.S., M.A., A.B.D. (University of Cincinnati)
HOLSENBEEK, DANIEL C., Vice President for University Relations, Senior Counsel to the President, and Director of Governmental Relations (1985), B.S., M.E.D., Ph.D. (Florida State University)
HOLT, LARRY C., Associate Professor of Education (1988), B.S., Ed.D. (University of Cincinnati)
HOPKINS, MARTHA H., Professor of Education (1983), B.A., M.Ed., Ph.D. (Florida State University)
HORN, STEVEN, Assistant Professor of Management Information Systems (2001), B.S., C.P.A., Ph.D. (Florida International University)
HOSNI, DJEHANE, Associate Professor of Economics (1977), B.A., M.A., Ph.D. (University of Arkansas)
HOSNI, YASSER A., Professor of Engineering (1989), B.S., M.A., M.S. (Northestern University)
HITT, JOHN C., President of the University and Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)
HOUGHTON, DAVID, Assistant Professor (2003), B.A., M.A., Ph.D. (University of Pittsburgh)
HOUSE, JESS, Associate Professor of Education (2000), B.S., M.A., Ed.S., Ph.D. (University of Iowa)
HOWARD, ROSALYN, Assistant Professor of Anthropology (1999), B.A., M.Ed., Ph.D. (University of Florida)
HOWATT, NICOLE, Instructor of Marketing (2001), B.S., M.S. (University of Central Florida)
HOYT, ERICA, Instructor (2003), M.S. (University of Phoenix)
HUA, KIEN, Assistant Professor of Computer Science (1990), B.S., M.S., Ph.D. (University of Illinois)
HUAXIANG, TAN, Associate Professor of Theatre (1997), B.A., M.F.A. (Utah State University)
HUBBARD, SUSAN S., Associate Professor of English (1995), B.A., M.F.A. (Syracuse University)
HUGEL, ALBERT, Assistant Professor of Education (1990), B.A., M.A., Ed.S., Ph.D. (University of Wisconsin)
HUGEL, ALBERT, Professor of Education (1990), B.A., M.A., Ed.S., Ph.D. (University of Wisconsin)
HUGHES, CHARLES E., Professor of Computer Science (1990), B.A., M.S., Ph.D. (Pennsylvania State University)
HUGHES, NANDY, Visiting Instructor of Education (1999), B.S., M.Ed. (University of Central Florida)
HUSEMAN, RICHARD C., Professor of Management (1990), B.A., M.A., Ph.D. (University of Illinois)
HUTCHINSON, CYNTHIA J., Associate Professor of Education (1989), B.S., M.A., Ed.D. (Florida Atlantic University)
HYNES, MICHAEL C., Associate Dean and Professor of Education (1971), B.S.Ed., M.Ed., Ph.D. (Kent State University)
IHEDE, STEPHAN, Instructor of Communication (2004), B.A., M.A. (University of Central Florida)
ILEGBUSI, OLUSEGUN, Professor of Engineering (2002), B.S., M.S., Ph.D (Imperial College, University of London)
IM, KYUNG SO, Assistant Professor of Economics (2002), B.A., M.A., Ph.D. (Michigan State University)
INGLE, LORI, Assistant Professor of Film (1987), A.A., B.F.A. (California Institute of the Arts)
INGRAM, KATHERINE H., Associate Professor of Theatre (2001), B.S., M.F.A. (University of Alabama)
ISMAIL, MOURAND, Professor of Mathematics (2003), Ph.D. (University of Alberta, Canada)
JACINTO, GEORGE, Clinical Instructor and Graduate Coordinator, School of Social Work (1999), B.S., M.Ed., M.S.W. (Florida State University)
JACOBS, DIANE, M., Interim Chair of Department of Health Professions and Professor of Molecular and Microbiology (1994), A.B., Ph.D. (Harvard University)
JACQUES, PETER, Assistant Professor (2003), B.A., M.P.A., Ph.D. (Northern Arizona University)
JAEGER, HANS-MARTINO, Assistant Professor (2004), B.A., M.Phil. (Columbia University)
JAEGER, SUZANNE, Assistant Professor of Humanities and Philosophy (2000), B.A., M.A., Ph.D. (York University)
JANZ, BRUCE, Associate Professor of Humanities and Philosophy (2003), B.R.E., B.A., M.A., Ph.D (University of Waterloo)
JASINSKI, JANA L., Associate Professor of Sociology (1999), B.A., M.A., Ph.D. (University of New Hampshire)
JEANPIERRE, BOBBY, Assistant Professor of Education (2001), B.S., M.A., Ph.D (University of Minnesota)
JEFFERSON, ALLISON, Director of Special Projects
(1999), B.S., M.S. (Northwestern University)

JENKINS, DAVID G., Associate Professor of Biology
(2003), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University)

JENSEN, BERNARD, Associate Professor of Psychology and Interim Assistant Vice President, and Director, Eastern Regional Campus
(1985), B.S., M.A., Ph.D. (Southern Illinois University)

JENTSCH, FLORIAN, Associate Scientist and Director of Team Performance Laboratory
(1997), B.S., M.S., Ph.D. (University of Central Florida)

JENTSCH, KIMBERLY S., Assistant Professor of Psychology
(2003), B.A., M.S., Ph.D. (University of South Florida)

JEWETT, AUBREY, Associate Professor of Political Science
(1995), B.A., M.S., Ph.D. (Florida State University)

JIANG, JAMES J., Professor of Management Information Systems
(2001), M.B.A., M.S., Ph.D. (University of Cincinnati)

JOELS, ROSIE WEBB, Professor of Education

JOHNSON, FRANCES L., Assistant Professor of Communication
(1971), A.B., M.A. (University of Kentucky)

JOHNSON, MARK E., Professor of Statistics
(1990), B.A., M.S., Ph.D. (University of Iowa)

JOHNSON, MARY C., Associate Professor of Film
(1991), B.A., M.A., Ph.D. (Ohio State University)

JOHNSON, MICHAEL, Assistant Professor of Education
(2002), B.A., M.S., Ph.D. (University of Illinois)

JOHNSON, MICHAEL D., Assistant Dean, College of Arts & Sciences, Interim Chair of Department of Statistics and Actuarial Science, and Associate Professor of Physics
(1990), B.S., Ph.D. (University of Virginia)

JOHNSON, RICHARD D., Assistant Professor of Management Information Systems
(1999), B.S., M.B.A. (University of Maryland)

JOHNSON, ROGER W., Associate Professor of Engineering
(1989), B.S., M.S., Ph.D. (University of California at Los Angeles, P.E. (Florida)

JOHNSON, WALTER L., Associate Professor of Accounting
(1979), B.S., M.B.A., Ph.D. (University of Texas at Austin)

JONES, ANNA M., Assistant Professor of English
(2002), B.A., Ph.D. (University of Notre Dame)

JONES, DANIEL R., Professor of English
(1984), B.A., M.A., Ph.D. (Florida State University)

JONES, DAVID E., Associate Professor of Anthropology
(1972), B.A., M.A., Ph.D. (University of Oklahoma)

JONES, DONALD E., Assistant Professor of Philosophy
(1972), B.A., M.A., Ph.D. (University of Oklahoma)

JONES, FOARD F., Chair and Associate Professor of Management
(1993), B.S., M.B.A., Ph.D. (University of Georgia)

JONES, K. DAYLE, Assistant Professor of Education
(1997), B.S., B.A., M.S., Ph.D. (University of South Carolina)

JONES, LESLIE, Visiting Assistant Professor of Education
(2001), B.A., M.Ed., Ph.D. (University of North Texas)

JONES, LINWOOD W., Professor of Engineering
(1997), Ph.D. (Virginia Polytechnic Institute)

JONES, ROBERT S., Associate Professor of Film
(1991), A.B., M.S., M.F.A. (University of California)

JORDON, ARETI, Instructor of Marketing
(1998), B.S., M.B.A. (University of Central Florida)

JUDD, ANDREW J., Director, School of Accounting and Associate Professor of Accounting

JUDGE, CAROL LYNN, Lt. Colonel, USAF, Professor of Aerospace Studies
(1999), B.S., M.S. (St. Mary’s University)

JUNGBLUT, BERNADETTE M., Assistant Professor
(2002), B.A., M.A., Ph.D. (Rice University)

JURIE, JAY D., Associate Professor of Public Administration

KALITA, SAMAR, Assistant Professor of Engineering
(2003), B.S., M.S., Ph.D. (Washington State)

KALLINA, EDMUND F., JR, Chair and Professor of History
(1970), B.A., M.A., Ph.D. (Northwestern University)

KAMRATH, MARK L., Associate Professor of English
(1997), B.S., M.A., Ph.D. (University of Nebraska, Lincoln)

KAPAT, JAYANTA S., Associate Professor of Engineering
(1997), B. Tech. (Hons), M.S., Sc.D. (Massachusetts Institute of Technology)

KAPLAN, JEFFREY S., Assistant Professor of Education
(1992), B.A., M.A., Ph.D. (University of Florida)

KAPLAN, SUSAN, Visiting Instructor of Communication
(2004), B.A., M.A. (University of Central Florida)

KAPUCU, NAIM, Assistant Professor
(2003), B.S., M.A., Ph.D., (University of Pittsburgh, PA)

KAR, ARAVINDA, Associate Professor of Engineering
(1994), B.S., M.S., Ph.D. (University of Florida)

KASPARIS, TAKIS, Associate Professor of Engineering
(1989), B.E.E., M.E.E., Ph.D. (City College University of New York)

KASSAB, ALAIN J., Professor of Engineering and Mathematics
(1991), B.S.E.S., M.S., Ph.D. (University of Florida)

KASSIM, HUSSAIN, Associate Professor of Philosophy and Religion
(1970), B.A., M.A., I.L.L.B., Ph.D. (University of Bonn)

KATSEVICH, ALEXANDER, Assistant Professor of Mathematics
(1996), B.S., M.S., Ph.D. (Kansas State University)

KATT, JAMES, Assistant Professor of Communication
(2003), B.S., B.A., M.A., Ph.D. (University of Central Florida)

KAZOROSKI, RONALD W., Instructor of Accounting
(1994), B.A., M.S. (Florida State University)

KELLIER, CHARLES F., Associate Professor of Accounting
(1985), B.S., M.S., Ph.D. (Texas A&M University)

KENNERLEY, MARGARET ANN, Instructor of Psychology
(2001), Ph.D. (University of South Carolina)

KENNERLEY, ROBERT J., Instructor of Psychology
(2001), Ph.D. (University of South Carolina)

KENNEY, RICHARD, Assistant Professor of Communication
(2004), B.A., M.A., Ph.D. (University of Georgia)

KENT-WALSH, JENNIFER, Assistant Professor
(2003), Ph. D. in Speech-Language Pathology (Penn State University)

KEON, THOMAS L., Dean, College of Business Administration and Professor of Management
(1997), B.S.A., M.B.A., Ph.D. (Michigan State University)

KESLER, THOMAS R., Instructor of English
(1997), B.A., M.A. (University of Central Florida)

KESSEL, ERNESTINE, Visiting Coordinator

KHALED, ANNETTE, Assistant Professor of Molecular Biology and Microbiology
(2002), B.S., M.S., PhD., (University of Florida)

KIEHL, ERMALYN, Associate Professor of Nursing
(1994), M.S.N., Ph.D. (University of Florida)

KIEL, DWIGHT, Associate Professor of Political Science
(1990), B.A., M.A., Ph.D. (University of Massachusetts)

KJJEK, JEAN C., Director, Florida-Eastern European Linkage Institute and Florida-Canada Linkage Institute; Coordinator of the Graduate Program in Nursing; and Associate Professor of Nursing
(1985), R.N., Ph.D. (New York University)

KILLINGSWORTH, ELIZABETH, Associate University Librarian
(2000), B.S., M.L.S. (University of North Texas)

KILMAN, MARCUS D., Assistant Librarian
(1996), B. S., M.S.L.S. (University of Texas)

KILMER, LISA, Assistant Professor of Art
(2002), B.S., M.S. (Purdue University)

KIM, JOO, Assistant Professor of Art
(1999), B.A., Ph.D. (University of Minnesota)

KING, ALLISON O., Assistant University Librarian, Brevard Campus
(1999), B.A., M.L.S. (University of Maryland)

KINSEY, BARBARA, Assistant Professor
(2002), B.A., Ph.D. (Washington University)

KIRBY, PAMELA, Assistant Dean and Instructor of Legal Studies
(2000), B.A., M.A., J.D. (University of Virginia)

KIRKPATRICK, LEE ANNE, Director, Office of Academic Support and Information Services
(1982), B.A., M.S. (University of Central Florida)

KISBY, CYNTHIA M., Personnel Librarian and Associate University Librarian
(1996), B.A., M.A.L.S. (Dominican
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s) and Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIHAEL, WASFY B.</td>
<td>1988, B.S.E.E., M.S.E.E., Ph.D. (Concordia University)</td>
</tr>
<tr>
<td>MUKHAL, OSSAMA</td>
<td>2001, B.Sc., M.Sc., Ph.D. (McGill University)</td>
</tr>
<tr>
<td>MIKUSINSKI, PIOTR</td>
<td>Mathematics</td>
</tr>
<tr>
<td>MILLS, JOE</td>
<td>1999, A.A., A.B., M.Ed. (Rollins College)</td>
</tr>
<tr>
<td>MILLS, LISA</td>
<td>2000, B.A., M.A. (University of Central Florida)</td>
</tr>
<tr>
<td>MILL, ADY</td>
<td>1986, B.A., M.S., Ph.D. (Nova University)</td>
</tr>
<tr>
<td>MILON, ABBY</td>
<td>2000, B.S., M.S., J.D. (University of Florida)</td>
</tr>
<tr>
<td>MILON, J. WALTER</td>
<td>2000, B.S., M.S., Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>MINARDI, ANTONIO</td>
<td>1977, B.A.Sc., S.M., Ph.D. (University of Central Florida)</td>
</tr>
<tr>
<td>MISCONI, NEBIL</td>
<td>1995, B.S., M.S., Ph.D. (State University of New York)</td>
</tr>
<tr>
<td>MODANI, NAVA K.</td>
<td>1983, B.S., M.B.A., Ph.D. (University of South Carolina)</td>
</tr>
<tr>
<td>MOHAPATRA, RAM N.</td>
<td>1984, B.S., M.S., Ph.D. (University of Jatayur)</td>
</tr>
<tr>
<td>MOHARAM, GAMAL</td>
<td>1987, B.S., Ph.D. (University of British Columbia)</td>
</tr>
<tr>
<td>MOHRENNE, ROBERT W.</td>
<td>2004, B.A., M.A. (University of Central Florida)</td>
</tr>
<tr>
<td>MOLLAGHASEMI, MANSOOREH</td>
<td>1991, B.S., M.E., Ph.D. (University of Louisville)</td>
</tr>
<tr>
<td>MONROE, JUDITH E.,</td>
<td>1978, B.A., M.A. (University of Central Florida)</td>
</tr>
<tr>
<td>MONTAGUE, EUGENE</td>
<td>2002, Ph.D. (University of Pennsylvania)</td>
</tr>
<tr>
<td>MONTALVO, MARIA</td>
<td>1988, B.A., M.S. (Florida State University)</td>
</tr>
<tr>
<td>MONTGOMERY, KIMBERLY K.</td>
<td>1986, B.A., M.S. (Florida State University)</td>
</tr>
<tr>
<td>MOORE, JEFFREY</td>
<td>1994, B.M.E., M.M. (University of Wisconsin)</td>
</tr>
<tr>
<td>MORALES, WALTRAUD Q.</td>
<td>1980, B.A., M.A., Ph.D. (University of Denver)</td>
</tr>
<tr>
<td>MORGAN, BEN B., JR.</td>
<td>1988, B.A., M.A., Ph.D. (University of Louisville)</td>
</tr>
<tr>
<td>MORGAN, THOMAS O.</td>
<td>2002, A.B., M.A., Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>MOROUX, DANIELLE</td>
<td>1999, B.S., M.A. (University of Tennessee)</td>
</tr>
<tr>
<td>MORRIS, JOAN</td>
<td>1993, B.A., M.A., Ph.D. (Louisiana State University)</td>
</tr>
<tr>
<td>MORRISON, JOHN</td>
<td>2004, B.A., M.A., Ph.D. (University of Central Florida)</td>
</tr>
<tr>
<td>MORRISON-SHETLAR, ALISON</td>
<td>2002, B.S., Ph.D. (Dundee College of Technology, Scotland)</td>
</tr>
</tbody>
</table>
| MORSE, LUCY C.        | 1987, B.S., Ph.D. (University of Engineering Technology and Director of Engineering Technology at a Distance 1983, A.B., M.S., Ph.D. (University of Central Florida) MORTON, WILLIAM C., Instructor of English 2002, B.A., M.A. (Miami University) MOSSHALL, J. MICHAEL, Professor of Computer Science 1984, B.S., Ph.D. (Ohio State University) MOSELY, FAISSAL A., Professor of Engineering 1980, B.S., M.S., Ph.D. (University of South Carolina) P.E. (Florida) MOTTAGH, BAHMAN S., Associate Professor of Engineering Technology 1996, B.S., M.S., Ph.D. (University of Central Florida) MOTTARELLA, KAREN, Instructor of Psychology 1998, B.A., M.S., Psy. D. (Florida Institute of Technology) MOULOUA, MUSTAPHA, Associate Professor of Psychology 1994, M.A., Ph.D. (Catholic University of America) MUCCIOLO, EDUARDO, Assistant Professor of Computer Science 2003, Ph.D. (Massachusetts Institute of Technology) MUCKHERJEE, AMAR, Professor of Computer Science 1979, B.S., M.S., Ph.D. (University of Calcutta) MULLENS, MICHAEL A., Associate Professor of Engineering 1989, B.S., M.S., Ph.D. (Georgia Tech) MULLER, CHRISTOPHER, Interim Director Center for Multi-Unit Restaurant Management and Associate Professor of Hospitality Management 1999, B.A., M.P.S., Ph.D. (Cornell University) MULLER, MARK, Professor of Ph.D., Molecular Virology (University of British Columbia) MULLIN, THOMAS A., Associate Professor of Communicative Disorders 1972, B.A., M.S., Ph.D. (Syracuse University) MUNFORD, VINCENT, Visiting Assistant Professor of Education 2000, Ed.D. (University of Delaware) MUNDALE, JENNIFER, Assistant Professor of Philosophy 1999, B.A., A.M., Ph.D. (Washington University) MURPHY, KEVIN MAJ, Assistant Professor of Military Science B.S. (Florida Institute of Technology) MURPHY, PATRICK, Professor of English 2002, B.A., M.A., Ph.D. (University of California, Davis) MURRAY, BARBARA A., Associate Professor of Education 1992, B.S., M.A.E., Ed.S., Ph.D. (Indiana State University) MURRAY, KENNETH T., Associate Professor of Education 1991, B.S., M.S., J.D., Ph.D. (Indiana State University) MUSSLIMANI, ZIAD, Assistant Professor of Mathematics 2003, Ph.D. (Technion-Israel Institute of Technology) MUSTAINE, ELIZABETH, Associate Professor of Sociology 1994, B.A., M.A., Ph.D. (Ohio State University) MYERS, STEPHANIE M., Visiting Assistant Professor of Criminal Justice 2001, B.A., M.A. (SUNY at Albany) NADEAU, JEANETTE A., Assistant Professor of Biology 2003, B.A., Ph.D. (University of California, Davis) NALBONE, LISA J., Instructor of Modern languages and Literatures 1996, B.A., M.S. (Georgetown University) NASER, SALEH A., Associate Professor of Molecular Biology and Microbiology 1995, B.S.C., M.S., Ph.D. (New Mexico State University) NASHE, ZUHAIR, Chair and Professor of Mathematics 2002, B.S., M.S., Ph.D. (University of Michigan) NAYFEH, JAMAL, Assistant Dean of Engineering and Computer Science and Professor of Engineering 1990, B.S., M.S., Ph.D. (Virginia Polytech Institute and State University) NEEL, STEVEN, Visiting Instructor of Communication 2003, B.A., M.A. (University of Central Florida) NEGY, ALMA, Assistant Professor of Modern languages and Literatures 2002, B.A., M.A., Ph.D. (University of Houston) NEGY, CHARLES, Associate Professor of Psychology 1998, B.A., M.S., Ph.D. (Texas A&M University) NEIGHB, J. EDWARD, Vice Provost, Academic Administrative Systems, and Professor of Physics 1987, B.S., M.S., Ph.D. (Massachusetts Institute of Technology) NEUBAUM, DONALD, Assistant Professor of Management 1998, B.S., M.B.A., Ph.D. (Georgia State University) NEUBAUM, SANDRA D., Visiting Instructor of Management 2005-2006 Undergraduate Catalog
(2001), B.S., M.S. (Georgia State University)

NEVILLE, JAMES, Visiting Instructor of Education (1999), B.S. Ed., M.Ed. (Rollins College)

NEWBY, MARK A., CPT, Assistant Professor of Military Science B.S. (Embry-Riddle Aeronautical University)

NEWLIN, MICHAEL, Associate Professor of Psychology (1995), B.S., M.S. (Purdue University)

NI, LIQIANQ, Assistant Professor (2003), B.Sc., Ph.D. (University of Minnesota)

NICHOLSON, DAVID W., Professor of Engineering and Mathematics (1990), B.S., M.S., M.Phil., Ph.D. (Yale University)

NICKERSON, DAVID, Associate Professor and Interim Chair of Statistics (1990), B.S., M.S., Ph.D. (University of Florida)

NIESS, CHRISTOPHER, Assistant Professor of Theatre (2001), B.A., M.F.A. (New York University)

NNADI, FIDELIA N., Associate Professor of Theatre (2001), B.A., M.F.A. (New York University)

NOBLIN, ALICE, Visiting Instructor of HIM (2004), MBA (Georgia State University)

NOSS, REED F., Provost Distinguished Research Professor and Professor of Biology (2002), B.S., M.S., Ph.D. (University of Florida)

NYE, CHAD, Professor of Communicative Disorders (1996), B.A., M.S., Ph.D. (University of California)

O'HARA, JOHN B., Instructor of Communication (1979), B.A., M.A. (University of Oklahoma)

ODISHO, EDWIN, Instructor of Management Information Systems (1990), B.B.A., M.S. (Florida State University)

OETJEN, DAWN M., Graduate Coordinator and Assistant Professor of Health Services Administration (1999), B.S., R.R.A., C.P.H.O., M.S., Ph.D. (University of Alabama at Birmingham)

OLIVER, KATHLEEN M., Assistant Professor of English (2003), B.A., M.A., Ph.D. (University of South Florida)

OLOUFA, AMR A., Associate Professor of Engineering (1999), B.S., M.S., Ph.D. (University of California, Berkeley), P.E. (California)

ONYEMELUKWE, OKÉY, Associate Professor of Engineering (1993), B.S., M.S., Ph.D. (University of Pittsburgh), P.E. (Florida)

OROOJI, ALI, Associate Professor of Computer Science (1985), B.S., M.S., Ph.D. (Ohio State University)

ORTZ, S. ENRIQUE, Associate Professor of Education (1989), B.A., M.A., Ed.D. (Louisiana State University)

ORWIG, GARY W., Professor of Education (1977), B.S., M.S., Ed.D. (Indiana University)

OSBORNE, JOHN A., Professor of Biology (1972), B.S., M.S., Ph.D. (Kansas State University)

OSBORNE, KING W., Professor of Engineering Technology (1983), B.S.E., M.S.E.E., Ed.D. (Florida Atlantic University), P.E. (Florida)

OU, MIAO-JUNG, Assistant Professor of Mathematics (2003), Ph.D. (University of Delaware)

OUSLEY, DENISE, Assistant Professor of Education (2002), B.A., M.A., Ph.D. (University of Tennessee)


PALMER, MARY J., Professor of Music Education (1970), B.S., M.S., Ed.D. (University of Illinois)

PAOLINE, EUGENE A., Assistant Professor of Criminal Justice (2001), B.A., M.A., M.S., Ph.D. (SUNY at Albany)

PARK, HOON, Associate Professor of Finance (1988), B.A., M.B.A., Ph.D. (Georgia State University)

PARK, SHELLEY M., Associate Professor of Philosophy (1990), B.A., M.A., Ph.D. (Duke University)

PARKINSON, CHRISTOPHER L., Assistant Professor of Biology (2000), B.S., M.S., Ph.D. (University of Louisville)

PARRY, KATHERINE K., Director and Associate Professor in Physical Therapy (2000), B.S., M.S., Ph.D. (University of Oklahoma)

PASNOS, VARLA, Externship Supervisor/Visiting Instructor- (1998), B.A. (Fairleigh Dickinson University)

Brevard (2002), B.S. Speech Pathology

PATTANAISK, SUMANTA, Director, Associate Professor of Computer Science (2001), B.S., M.S., Ph.D. (Birla Institute of Science and Technology)

PAUGH, ROBERT F., Associate Professor of Education (1973), B.S., M.A., Ed.D. (North Carolina State University)

PAULEY, BRUCE F., Professor of History (1971), B.A., M.A., Ph.D. (University of Rochester)

PAWLAS, GEORGE E., Professor of Education (1991), B.S., M.Ed., Ph.D. (University of South Carolina)

PEALE, ROBERT E., Professor of Physics (1991), B.A., M.S., Ph.D. (Cornell University)

PELLI, MOSHE, Toss and Abe Wise Endowed Professor of Judaic Studies and Director, Judaic Studies Program (1985), B.S., Ph.D. (The Dropsie College)

PELLICCIO, SUSAN, Visiting Assistant Instructor (1997), R.N., M.S.N. (H.H. Lehman College)

PENNINGTON, ROBERT L., Director, Center for Economic Education and Associate Professor of Economics (1983), B.A., Ph.D. (Texas A&M University)

PENSKY, MARIANNA Y., Associate Professor of Mathematics (1995), B.Sc, M.Sc, Ph.D. (Moscow University)

PEPE, JULIE, Visiting Instructor in Statistics (2004), B.A., M.S. (Purdue University)

PERRY, JONATHAN, Assistant Professor of History (1999), B.A., M.A., Ph.D. (University of North Carolina)

PERRY-CARSON, CECYLE, Associate Professor (2004), Ph.D (Wichita State University)

PETTARMACOST, JULIA J., Assistant Vice President, Information Planning and Assessment, and Associate Professor of Industrial Engineering and Management Systems (1993), B.S., M.S., Ph.D. (Case Western Reserve University)

PETALOUD, ROXANNE, Visiting Instructor of Chemistry (2002), B.S., M.S. (University of Central Florida)

PETERS, PHILIP, Division Head of Film Division (1981), B.A., M.F.A. (University of Minnesota)

PETETSON, ERIC, Assistant Professor of Engineering (2001), B.S., M.S., Ph.D (Stanford)

PETERSON, JANICE Z., Assistant Professor of Nursing (1996), R.N., M.S., Ph.D. (University of Florida)

PETRASO, BRIAN E., Associate Professor of Engineering Science (1972), B.E.E., M.E., D.Eng. (University of Detroit)

PETERLA, JAMES, Visiting Assistant Professor of Physical Therapy (2002), Ph.D. (Kirkville College of Osteopathic Medicine, MO)

PHANSTIEL, OTTO, Associate Professor of Chemistry (1995), B.S., Ph.D. (University of Florida)

PHERIGO, JOHNNY L., Chair and Professor of Music (2004), B. Mus., M.M., D.M.A. (University of Illinois)

PHILLIPS, RONALD L., Professor of Engineering Science and Mathematics (1970), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)

PIASICK, JEANNE M., Assistant University Librarian (1995), B.S., M.L.S. (Kent State University)

PICKERING, ROY, Professor of Music (1979), B.M.E., M.M. (Indiana University)

PIERCE, JR., CHARLES F., Visiting Assistant Professor (Executive in Residence) (2002), B.A., M.G.A. (University of Pennsylvania)

PINA, WILFREDO SGT, Supply Sergeant (2000), B.A., M.A. (University of South Florida)

PIZZAM, ABRAM, Dean Rosen School of Hospitality Management, Chapin Eminent Scholar Chair in Tourism Management, and Professor of Hospitality Management (1983), B.A., M.P.A., Ph.D. (Cornell University)

PLATT, JENNIFER M., Associate Dean for Academic Affairs and Professor of Education (1985), B.S., M.S., Ed.D. (West Virginia University)

POINDexter, CARLA, Assistant Professor of Art (2000), B.F.A., M.F.A. (Texas Tech University, Lubbock)

POLITE, FRITZ G., Assistant Professor of Sports Business Management (2002), B.S., MPA, Ph.D. (Florida State University)

POLLOCK, PHILIP H., Professor of Political Science (1982), B.A., Ph.D. (University of Minnesota)
UCF Faculty and Administrative Officers

POMERLEAU, JULIE, Visiting Instructor of Modern languages and Literatures (2003), B.A., M.A. (University of Barcelona, Spain)

POWELL, LORRIE, Associate Professor (2004), RN, Ph.D (Boston University)

PRITCHARD, ROBERT D., Professor of Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

PROCTOR, MICHAEL D., Associate Professor of Engineering (1994), B.S., M.S., Ph.D. (North Carolina State)

PRUCHA, ANNE, Instructor of Modern languages and Literatures (2000), B.A., M.A. (Rutgers University)

PRYOR, ALBERT V., Graduate Coordinator and Professor of Communication (1972), B.S., M.A. (University of Michigan)


PURMENSKY, KERRY, Assistant Professor of Modern languages and Literatures (2003), B.A., M.S., Ph.D. (Southern Illinois University, Carbondale)

PUTCHINSKI, LINDA B., Instructor of Management (1996), MBA, Ed.D. (University of Central Florida)

QU, ZHIHUA, Professor of Engineering (2003), B.S.E., M.S.E., Ph.D. (Georgia Tech)

QUIGLEY, MARTIN F., Associate Professor of Biology (2004), B.A., MLA, Ph.D. (Louisiana State University)

QUINN, RICHARD, Visiting Instructor of Management (1999), B.A., M.B.A. (Rochester Institute of Technology)

QUINTANA-ASCENCIO, PEDRO F., Assistant Professor of Biology (2003), B.S., M.S., Ph.D. (State University of New York at Stoney Brook)

RABBY, MICHAEL, Assistant Professor of Communication (2002), B.S., M.A., Ph.D. (Arizona State University)

RABEOLO, LUIS, Associate Professor of Engineering (2000), B.S., M.S., Ph.D. (University of Missouri Rolla)

RADWAN, A. ESSAM, Professor of Engineering (1990), B.S., M.S., Ph.D. (Purdue University, P.E. (Arizona, Florida, Virginia, Egypt)

RAGUSA, JAMES M., Associate Professor of Engineering (1987), B.S.M.E., M.S.M., D.B.A. (Florida State University)

RAHROOH, ALIREZA, Associate Professor of Engineering Technology (1994), B.S.E.E., M.S.E.E., Ph.D. (University of Akron)

RAMANALAL, PRADIPKUMAR, Associate Professor of Finance (1998), B.A., M.B.A., Ph.D. (University of Michigan)

RANDALL, ANDREW A., Associate Professor of Engineering (1994), B.S.C.E, M.S., Ph.D. (Auburn University, P.E. (Florida)

RANDALL, JEROME, Instructor of Criminal Justice (1999), B.A., M.A. (Chapman University)

RAPPORT, MARK, Professor of Psychology (2000), B.A., M.A., Ph.D. (Florida State University)

RATUSNIK, DAVID L., Professor of Communicative Disorders (1985), B.S., M.A., Ph.D. (Northwestern University)

REDMON, MARIA, Instructor of Modern languages and Literatures (1999), B.A., M.A. (Universidad Complutense De Madrid)

REEDY, ROBERT T., Professor of Art (1993), B.F.A., M.F.A. (University of Mississippi)

REICHERT, SHAWN M., Assistant Professor (2002), B.A., M.A., Ph.D. (University of Michigan)

REID, MICAEL, Assistant Professor of Mathematics (2003), Ph.D. (Brown University)

REILLY, CHARLES H., Professor of Industrial Engineering and Management Systems (1999), B.A., M.S., Ph.D. (Purdue University)

REINHARD, ERIK, Assistant Professor of Computer Science (2002), B.S., M.S., Ph.D. (University of Bristol)

REINHARD, DEBRA R., Interim Chair and Professor of Civil and Environmental Engineering (1989), B.S.E., M.S., Ph.D. (Georgia Tech), P.E. (Florida, Georgia)

REN, JIAN-JIAN, Associate Professor of Mathematics (1990), B.S., M.S., M.S., Ph.D. (University of North Carolina-Chapel Hill)

RENK, KIMBERLY, Assistant Professor of Psychology (2000), B.A., M.A., Ph.D.

REYNOLDS, KENNETH, Assistant Professor of Criminal Justice (1997), B.A., M.P.A., Ph.D. (University of New Orleans)

REYNOSA, PAULA, Instructor in Psychology (2003), B.S., M.A., Ph.D. (University of California, Irvine)

RICCI, PETER, Assistant Professor of Hospitality Management (2001), B.A., M.S. (University of Florida C.H.A.)

RICHARDSON, GARY D., Professor of Mathematics and Statistics (1984), B.S., M.S., Ph.D. (North Carolina State University)

RICHEL, SAMUEL M., Associate Professor of Engineering (1984), B.S.E., M.S.E., Ph.D. (University of Central Florida)

RINALDUCCI, EDWARD J., Professor of Psychology (1986), B.A., M.A., Ph.D. (University of Rochester)

RIVERA, FERNANDO, Assistant Professor of Sociology (2005), B.A., M.A., Ph.D. (University of Nebraska)

RIVERS, KENYATTA O., Associate Professor of Communicative Disorders (1995), B.S., M.A., Ph.D. (University of Florida)

RIVERS, ROBERT H., JR, Professor of Art (1981), B.F.A., M.F.A. (University of Georgia)

RIZA, N., Assistant Professor of Engineering (1995), B.S., M.S., Ph.D. (California Institute of Technology)

ROBERTS, ROBIN W., Chairholder, Al Burnett Eminent Scholar Chair in Accounting and Professor of Accounting (1998), B.B.A., M.B.A., Ph.D. (University of Arkansas)

ROBERTS, SHERRON KILLINGSWORTH, Assistant Professor of Education (1987), B.S. Ed., M.Ed., Ed.D. (University of Arkansas)


ROBINSON, SANDRA, Dean and Professor of Education (1997), B.A., M.A., Ph.D. (Duke University)

ROCKMORE, B. WAYNE, Visiting Instructor of Management (2001), B.S., M.S., Ph.D. (University of Georgia)

RODRIGUEZ, RENE S., Associate Professor of Mathematics (1971), B.Ch.E., Ph.D. (University of Tennessee)

RODRIGUEZ-MILANES, CECILIA Y., Associate Professor of English (1999), B.A., M.A., D.A. (University at Albany, New York)

ROGERS, MELVIN, Associate Dean and Instructor of Public Administration (1996), B.S., M.S. (University of Nebraska)

ROHDE, SAM, Professor of Film (1980), B.A., M.A., Ph.D. (La Trobe University)

ROJTER, FRANK D., Professor of Education (1968), B.S., M.Ed., Ph.D. (University of Southern California)

ROLAND-CUENYA, BEATRIZ, Assistant Professor (2003), Ph.D. (Gerhard-Mercator Universitat)

ROLLAND, JANICK P., Associate Professor of Electrical & Computer Engineering and Computer Science (1996), B.S., Ph.D. (University of Arizona)

ROLLINS, DAVID K., Associate Professor of Mathematics (1988), B.S., M.S. (California Institute of Technology)

ROMJUE, MARY K., Associate Professor of Education (1993), B.A., Ph.D. (University of Nebraska)

ROMPF, PAUL D., Associate Professor of Hospitality Management (2002), B.S., M.B.A., Ph.D., (University of South Carolina)

ROONEY, LISA C., Assistant Professor of English (2002), B.A., M.A., Ph.D. (Pennsylvania State University)

ROONEY, WILLIAM L., Distinguished Professor of Music and Artist in Residence (1982), B.S. (Harvard College)

ROSA-LUGO, LINDA I., Associate Professor of Communicative Disorders (1995), B.S., M.S., Ph.D., (University of Arizona)

ROSS, LEA, Associate Professor (2003), PhD (Rutgers University)

ROTTIUS, TIMOTHY M., Associate Professor of Health Services Administration (1996), B.B.A., M.B.A., Ph.D. (Texas Tech University)

ROTH, JAMES D., Research Assistant Professor (2000), B.A., M.S., Ph.D. (University of Minnesota)

ROUSH, PAMELA B., Associate Professor of Accounting (1989), B.A., M.B.A., Ph.D. (Georgia State University)

RUBIN, RONALD S., Professor of Marketing (1972), B.A., M.A., Ph.D. (University of Massachusetts)
RUDDY, BARI, Assistant Professor of Communicative Disorders
(2001), B.A., M.A., Ph.D. (University of Florida)

RUDNER, NANCY, Assistant Professor of Nursing
(2002), M.S.N., M.P.H., Ph.D., (University of Michigan)

RULAND, JUDITH, Associate Professor of Nursing
(2002), M.S.N., Ph.D., (State University of New York, Albany)

RUNGELING, BRIAN S., Professor of Economics
(1981), M.A., Ph.D. (University of Kentucky)

RUPERT, JEFFREY, Associate Professor of Music
(1995), B.M., M.M. (Rutgers University)

RUSCELLA, J. J., Assistant Professor of Theatre
(1999), B.A., M.F.A. (Rutgers University)

RUSHIN, PATRICK J., Assistant Professor of English
(1983), B.A., M.A. (Johns Hopkins University)

RUSNOK, JOSEPH S., Associate Professor of Theatre and Associate Department Chair
(1985), B.A., M.F.A. (University of Minnesota)

RUIZICH, JOHN J. LTC, Professor of Military Science
B.E. (Youngstown State University), M.B.A. (Florida Institute of Technology)

RYALLS, JOHN N., Professor of Communicative Disorders

RZIGALINSKI, BEVERLY A., Assistant Professor of Molecular Biology and Microbiology
(2001), B.S., M.S. Ph.D. (Eastern Virginia Medical School and Old Dominion University)

SADRI, HOUMAN A., Associate Professor of Political Science
(1995), B.A., M.A., Ph.D. (University of Virginia)

SAFRANEK, WILLIAM, Clinical Faculty, Medical Laboratory Sciences
Ph.D., (Temple University)

SAHA, HARI, Professor of Physics
(1987), B.S., Ph.D. (University of Calcutta)

SALAS, EDUARDO, Professor of Psychology and Trustee Chair
(1999), B.A., M.S., Ph.D. (Old Dominion University)

SALTER, MARYLYN P., Instructor of Accounting
(1981), B.S., M.S.A. (University of Central Florida)

SALTER, MITCHELL, Visiting Instructor of AT
(2004), MA (University of Central Florida)
SHORT, EDMUND, Associate Professor of Education

SHAWALTER, STUART J., Instructor in Health Services Administration
(2000), J.D. (Washington University in St. Louis)

SHRAUGER, KRISTINE J., Assistant University Librarian
(2004), B.S., M.L.I.S. (University of Wisconsin)

SHUMAKER, RANDALL P., Director, Institute for Simulation & Training
(2002), Ph.D (University of Pennsylvania)

SIEBERT, DARRY W., Associate Professor of Education
(1972), B.S., M.A., Ph.D. (University of North Dakota)

SIEGFRIED, JUDI, Visiting Assistant Professor of Theatre
(2004), M.F.A. (Texas Christian University)

SIGMAN, MICHAEL, Associate Professor of Chemistry (Forensic Science)
(2002), B.S., Ph.D. (Florida State University)

SIKORSKA-SIMMONS, ELIZABETH, Assistant Professor of Sociology
(2002), M.A., Ph.D. (University of Maryland)

SIMMONS, ROGER D., Head, Circulation Services Department and University Librarian
(1990), B.A., M.A., M.A. (University of Chicago)

SIMS, VALERIE, Assistant Professor of Psychology
(1998), B.A., M.S., Ph.D. (University of California Santa Barbara)

SINDLINGER, JUDITH A., Director, Office of Student Support Services, College of Health and Public Affairs

SINGER, HOWARD J., Instructor of Real Estate
(2002), B.S., EMBA, J.D. (University of Miami)

SITTLER, REBECCA D., Assistant Professor
(2003), B.A., M.F.A. (Massachusetts College of Art)

SIVO, STEPHEN A., Assistant Professor of Education
(2000), B.A., M.A., Ph.D. (Froebelian University of Steubenville)

SLAUGHTER, DAVID B., Assistant Professor of Legal Studies
(1978), B.A., J.D. (Florida State University)

SLOAN, ROBERTA, Professor of Theatre and Department Chair/Artistic Director
(2004), B.S., A.M., Ph.D. (University of Michigan)

SMITH, GILLIAN I., Visiting Assistant Professor of Education

SMITH, ERNEST, Associate Professor of English
(1990), B.A., M.A., Ph.D. (New York University)

SMITH, FRANCES B., Associate Professor of Nursing
(1979), R.N., M.S.N., Ed.D. (Florida State University)

SMITH, GERALD, Director/Associate Professor
(2004), Ph.D. (Medical College of Georgia, Virginia Commonwealth University)

SMITH, LISA, Visiting Instructor, School of Nursing
(2000), M.S.N., R.N., C.C.R.N. (University of Alabama in Huntsville)

SMITH, LYNN, Associate Professor of Nursing

SMITH, RONALD F., Professor of Communication
(1989), A.B., M.A. (Ball State University)

SMITH, STANLEY D., Chairholder, SunTrust Chair of Banking and Professor of Finance

SMITH, TYLER, Assistant in Theatre
(2001), M.F.A. (University of Illinois)

SMITH V., SCOTT, Assistant to the Director, School of Accounting and Instructor of Accounting
(1998), B.A., M.B.A. (Loyola College)

SMITHER, JANAN A., Associate Professor of Psychology
(1990), B.S., M.A., Ph.D. (Johns Hopkins University)

SNELDON, FRANKLIN F., JR., Professor of Biology
(1970), B.S., Ph.D. (Cornell University)

SNOW, MARILYN R., University Librarian
(1984), B.A., M.L.S. (George Peabody College)

SOHN, YONG-HO, Assistant Professor of Engineering
(2001), Ph.D. (Purdue University)

SOILEAU, MARION J., Vice President for Research and Professor of Optics, ECE, and Physics
(1987), B.S., M.S., Ph.D. (University of Southern California)

SOLE, MARY LOU, Professor of School of Nursing
(1987), B.S.N., M.S., Ph.D (University of Texas at Austin)

SOLOVARY, VLADIMIR, Assistant Professor of History
(2003), B.A., Ph.D. (Moscow State University)

SOODER, KARL M., Instructor of Marketing
(2001), B.A., M.B.A. (Columbia University)

SOSKIN, MARK D., Associate Professor of Economics, Daytona Campus

SOTERO-ESTEVA, WALTER D., Instructor of Biology
(2001), B.S., Ph.D. (Indiana University)

SPENCER, STEVEN C., Instructor
(2003), B.S., M.F.A. (Louisiana State University)

SPINA, GRAZIA, Instructor of Modern Languages and Literatures
(2002), B.A., M.A. (University of Genoa, Italy)

SPINA, ROBERT, Professor of Education
(2001), B.S., M.S., Ph.D. (University of Pittsburgh)

SPRAKER, SUSAN P., Instructor of English
(1999), B.A., M.F.A. (University of North Carolina at Greensboro)

SPYERS-DURAN, PETER, Assistant University Librarian
(1996), B.A., M.A.L.I.S. (University of South Florida)

ST.CLAIRE, SYBIL, Assistant in Theatre
(1996), B.A., M.A., Ph.D. (Greenwich University)

STABLEY, MEM T., Head of Partnership Library Services and Associate University Librarian, Brevard Campus

STANICK, NANCY, Assistant Professor of Philosophy
(2001), B.A., M.A., Ph.D. (University of South Florida)

STANNEY, KAY, Professor of Engineering
(1992), B.S., M.S., Ph.D. (Purdue University)

STANSBERRY, FRANK, Instructor of Communication
(1997), B.S., M.A. (University of Central Florida)

STAP, DONALD L., Professor of English
(1985), B.A., Ph.D. (University of Utah)

STAPLETON, CHRISTOPHER, Assistant Professor of Digital Media, Director of Entertainment Research at the Institute for Stimulation and Training

STAUFFER, NICOLE, Visiting Instructor of Modern Languages and Literatures
(2002), B.A., M.A. (University of South Florida)

STEARMAN, ALLYN M., Professor of Anthropology
(1976), B.A., M.A., Ph.D. (University of Florida)

STEBBINS, CONRAD, Assistant Dean, College of Arts and Sciences, Associate Professor of Modern Languages and Literatures
(1987), B.A., Ph.D. (Florida State University)

STEFFENS, CATHERINE L., Instructor University Librarian
(2003), B.A., M.A.L.I.S. (University of South Florida)

STEGER, GEORGE I.A., Chairholder, Cobo-L.J. Hooker Chair in Optical Sciences and Professor of Physics and Electrical Engineering
(1990), B.S., M.S., Ph.D. (University of Toronto)

STEGHEM, JOANNE, Director, African American Studies, and Associate Professor of Music

STICKLEY, C. MARTIN, Professor of Engineering
(1990), B.S.E.E., M.S.E.E., Ph.D. (Northeastern University)

STICKNEY, MARGARET, Instructor
(2003), Ed. D. (University of Central Florida)

STOCKDALE, NANCY, Assistant Professor of History
(2001), B.A., M.A., Ph.D. (University of California- Santa Barbara)

STOECKL, ULA, Associate Professor of Film
(1968), B.A. (Institut fuer Filmmgestaltung (Hochschule fuer Gestaltung))

STONE, DIANNA L., Professor of Management
(1998), B.A., Ph.D. (Purdue University)

STONE-ROMERO, EUGENE F., Professor of Psychology
(1998), Ph.D. (University of California, Irvine)

STOUT, I. JACK, Professor of Biology
(1972), B.S., M.S., Ph.D. (Washington State University)

STRAWER, MICHAEL, Visiting Professor of Philosophy
(2002), B.A., M.A., Ph.D. (Florida State University)

STRIBLING, ZACHARY, Assistant in Theatre
(2003), M.F.A. (Florida State University)

SU, XIAO-GANG, Assistant Professor of Statistics
(2001), B.S., M.S., Ph.D. (University of California, Davis)

SUBLETT, JERRY, Visiting Instructor of Communication

SUGAYA, KIMINOBU, Professor, Biomolecular Science Center (2004), Ph.D (Science University of Tokyo)

SULEMAN, SALEHA, Faculty Associate of Communication (2004), B.A., M.S., Ph.D. (University of Wisconsin)


SUMMERS, CARLA M., Head, Special Collections/University Archives and University Librarian (2003), B.A., M.S. (Florida State University)

SUN, QIYU, Assistant Professor of Mathematics (2003), Ph.D. (Hangzhou University, Hangzhou China)

SUNDARAM, KALPATHY B., Associate Professor of Engineering Science (1987), B.S., B.E., M.T., Ph.D. (Indian Institute of Technology, Bombay)

SUNG, STELLA, Professor of Music (1999), B.A., M.F.A., D.M.A. (University of Texas at Austin)

SURETE, RAYMOND B., Professor of Criminal Justice (1995), B.S., M.S., Ph.D. (Florida State University)

SURYANARAYANA, C., Associate Professor of Engineering (2001), Ph.D. (Banaras Hindu University)

SUSAN, AYSAR P., Visiting Instructor of Management (2001), B.S., M.S., D.B.A. (Nova Southeastern University)

SUTTON, LINDA J., Head, Cataloging Department and University Librarian (1988), B.A., M.L.S. (Florida State University)

SWANSON, JOANNE, Instructor of Chemistry (2002), B.S., M.S. (University of Central Florida)

SWEENEY, AYDRIA, Assistant Professor of Education (1997), Ph.D. (Florida State University)

SWEENEY, MICHAEL J., Interim Vice Provost, Regional Campuses, and Professor of Molecular Biology, and Microbiology (1972), B.S., Ph.D. (Temple University School of Medicine)

SWEET, HAVEN C., Assistant to the Dean, College of Arts & Sciences, and Professor of Biology (1971), B.S., Ph.D. (Syracuse University)

SYBOLT, TERRIE K., Associate University Librarian (2001), B.A., M.L.S. (University of Pittsburgh)

SZYMANSKI, ROBERT J., Instructor of Management Information Systems (2002), B.S., MBA (Boston College)


TATULIAN, SUREN, Associate Professor of Molecular Biology and Microbiology (2002), B.S., M.S., PhD. (Institute of Cytology, Russia)

TAUB, GORDON, Assistant Professor of Education (1999), B.A., M.Ed., Ph.D. (University of Florida)

TAYLOR, FINLEY M., Assistant Professor of Modern languages and Literatures (1970), B.A., M.A., Ph.D. (University of Tennessee)

TAYLOR, JAMES, Professor of Engineering (1977), B.S.I.E., M.S., Ph.D. (University of Florida), P.E. (Florida)

TAYLOR, ROSEMARY, Assistant Professor of Education (2000), B.A., M.Ed., Ed.S., Ph.D. (Georgia State University)


TESONE, DANA, Assistant Professor of Hospitality Management (2001), B.S., M.S., M.B.A., Ph.D. (Nova Southeastern University)

TETER, KENNETH, Assistant Professor of Molecular Biology and Microbiology (2004), PhD (University of California)

THAXTON, TERRY A., Assistant Professor of English (2002), B.A., M.A., M.F.A. (Vermont College)


THOMAS, MARGARET H., Professor of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)

THOMAS, PAMELA S., Instructor of Biology (2000), B.S., M.S. (University of Central Florida)

THOMPSON, MATTHEW, Visiting Instructor of Communication (2003), B.A., M.A. (Florida State University)

THOMPSON, WILLIAM J., Undergraduate Coordinator, Assistant Professor of Engineering (1995), B.S., M.S., Ph.D. (Arizona State University)

THORNTON, ROBERT, Instructor of Music (2002), M.M. (Indiana University)

TITTERINGTON, VICTORIA, Associate Professor of Sociology (2003), B.A., M.S., M.S.W., Ph.D. (Tulane)

TOLLEFSON, KRISTINA, Assistant Professor of Theatre (2000), B.A., M.F.A. (Purdue University)


TOBERT, TERRY, Visiting Instructor of Education (1999), B.A.E., M.Ed. (University of Florida)

TOVIS, ALEXANDER, Associate Professor of Mathematics (1996), M.S., Ph.D. (University of Veronezh)

TROUARD, DAWN, Professor of English (1997), B.A., M.A., Ph.D. (Rice University)

TRUJILLO, ANTONIO J., Assistant Professor of Health Services Administration (2000), B.S., M.P.P., Ph.D. (University of North Carolina at Chapel Hill)

TUBBS, LeVESTER, Associate Professor of Education (1980), B.S., M.S., Ed.D. (University of Mississippi-McLain)

TUCKER, RICHARD D., Professor of Psychology and Intern Chair (1972), A.B., M.A., Ph.D. (Emory University)

TURGUT, DAMLAL, Assistant Professor of Engineering (2002), B.S., M.S., PhD (University of Texas at Arlington)

TURNAGE, BARBARA, Associate Professor, School of Social Work (1999), B.S.W., M.S.W., Ph.D. (Tulane University)

UDDIN, NIZAM, Associate Professor of Statistics (2001), B.Sc., M.Sc, Ph.D. (Old Dominion University)

UHL-BIEN, MARY, Associate Professor of Management (1995), B.B.A., M.B.A., Ph.D. (University of Cincinnati)


ULLON, CARRIE L., Instructor of Management Information Systems (1995), B.S., M.S., P.M.B.A. (University of Tennessee)


UMURUH, LYNN Y., Assistant Professor of Health Services Administration (2000), R.N., B.S.N., M.A., Ph.D. (University of Notre Dame)

UPCHURCH, RANDALL S., ARDA Professor of Resort Development and Associate Professor of Hospitality Management (1998), B.A., M.A., Ph.D. (University of Missouri-Columbia)

UTT, HAROLD A., JR, Assistant Professor of Communicative Disorders (1981), M.S., Ph.D. (Florida State University)

VAIDYANATHAN, RAJAN, Assistant Professor of Engineering (2001), B.S., M.S., PhD (MIT)

VAJRAVELU, KUPPALAPALLE, Professor of Mathematics and Mechanical and Aerospace Engineering (1984), B.A., M.S., Ph.D. (Indian Institute of Technology)

VAJRAVELU, RANI, Instructor of Biology (1999), B.S., M.S., Ph.D. (University of Madras)

VAN HOOK, MARY P., Professor of Social Work (1995), B.A., M.S., Ph.D. (Rutgers University)

VAN SLYKE, CRAIG, Assistant Professor of Management Information Systems (2000), B.A., MBA, Ph.D. (Texas A&M University)

VAN WAGENEN, STERLING, Director and Associate Professor of Film (1999), B.A. (Brigham Young University)

VAN WART, MONTGOMERY, Chair, Professor (2003), Ph.D. (Texas Tech University) (Arizona State University)

VAN RYCKEGHEM, MARTINE, Associate Professor of Communicative Disorders (1994), B.S., M.S., Ph.D. (Southern Illinois University)


VEIT, MARCIA R., Instructor of Accounting (1980), B.A., M.B.A. (University of Arkansas)


VEMENT, GERARD G, Associate Professor of Engineering (1969), As.E., M.S., Ph.D. (University of Cincinnati), P.E. (Florida)

VERKLER, KAREN W., Assistant Professor of Education (1995), B.A., M.Ed., Ph.D.
WALLACE, DAVID L., Professor of History (1998), B.A., M.A., Ph.D. (Michigan State University)
WALKER, EZEKIEL A., Associate Professor of Psychology (1996), B.A., M.A., Ph.D. (University of South Carolina)
WALKER, EZEKIEL A., Associate Professor of Psychology (2004), B.A., M.A., Ph.D. (University of Central Florida)
WALKER, GAIL B., Associate Professor of Music (1998), D.M.A. (University of Miami)
WALKER, JEFFREY, Visiting Professor of Management (2003), B.A., M.A., Ph.D. (Florida State University)
WALKER, JUDITH K., Professor of Economics (1995), B.S., M.A., Ph.D. (University of Virginia)
WALKER, KENNETH, Associate Professor of Anthropology (1975), B.A., M.A., Ph.D. (University of Central Florida)
WALKER, RONALD L., Professor in Psychology, Criminal Justice (2003), B.A., M.A., Ph.D. (University of Central Florida)
WALLACE, ROBERT, Instructor in Communication (2003), B.A., M.S. (Murray State University)
WALLACE, RONALD L., Professor of History (1998), B.A., M.A., Ph.D. (University of Central Florida)
WALLACE, SHANNON N., Associate Professor of Psychology (2004), B.A., M.A., Ph.D. (Florida State University)
WANG, ALVIN Y., Professor of Engineering (2003), B.S., M.S., Ph.D (Peking University)
WANG, B., Professor of Engineering (1997), B.A., M.A., Ph.D. (University of Florida)
WANG, JIACHENG, Assistant Professor of Psychology (2002), B.A., M.S., Ph.D. (University of North Carolina)
WANG, MIHAI, Associate Professor of Engineering (2003), B.S., M.S., Ph.D. (University of Florida)
WANG, QIANG, Assistant Professor of Psychology (2003), B.S., M.S., Ph.D. (University of Florida)
WANG, XIAO HU, Assistant Professor of Public Administration (1997), B.A., M.A., Ph.D. (Florida International University)
WANG, YUN-OH, Assistant Professor of Marketing (2001), B.S., M.S., M.B.A., Ph.D (University of Southern California)
WANG, YUN-OH, Assistant Professor of Marketing (2001), B.S., M.S., M.B.A., Ph.D (University of Southern California)
WANG, ZEN, Associate Professor of Education (2003), B.A., M.A., Ph.D. (University of South Carolina)
WAPESH, J., Assistant Professor of Biology (1996), B.S., M.S., Ph.D. (University of South Carolina)
WATSON, STEPHEN M., Assistant Research Professor, Florida Space Institute (2004), B.S.(University of Nottingham)
WATSON, STEPHEN M., Assistant Research Professor, Florida Space Institute (2005), B.A., M.A., Ph.D. (University of South Carolina)
WATSON, STEPHEN M., Assistant Research Professor, Florida Space Institute (2006), B.A., M.A., Ph.D. (University of South Carolina)
WELKER, PATRICIA E., Instructor of Health Sciences (Radiologic Sciences) (1986), A.S., B.S., M.A. (Idaho State University)
WELCH, JUDITH K., Associate Professor of Accounting (1988), B.A., M.B.A., Ph.D. (Florida State University)
WELKER, PATRICIA E., Instructor of Health Sciences (Radiologic Sciences) (1986), A.S., B.S., M.A. (Idaho State University)
WENDELSCHUCK, GEORGE, Assistant Professor of Music (1998), D.M.A. (University of Miami)
WEST, GAIL B., Associate Professor of Education (1991), B.A., M.A., Ph.D. (Florida State University)
WEST, LAWRENCE, Assistant Professor of Management (1996), B.A., M.B.A., Ph.D. (Texas A&M University)
WHITE, KENNETH, Associate Professor of Economics (1968), B.S., M.B.A., Ph.D. (University of Oklahoma)
WHITE, ROSEANN S., Assistant Chair/Professor of Molecular Biology and Microbiology (1969), B.S., Ph.D. (University of Texas)
WHITE, VIBERT L., Associate Professor of History (2003), B.A., M.A., Ph.D. (Ohio State University)
WHITEHOUSE, GARY E., Professor of Engineering (1978), B.S.I.E., M.S.I.E., Ph.D. (Arizona State University), P.E. (Florida, Pennsylvania)
WHITESIDE, JANET, Instructor of Communicative Disorders (2001), B.A., M.A., Ph.D. (Indiana University)
WHITTEN, SHANNON N., Visiting Instructor in Psychology (2003), B.A., M.S., Ph.D. (University of Memphis)
WHYTE, ANN MARIE, Associate Professor of Finance (1998), B.B.A., M.B.A., Ph.D. (Florida Atlantic University)
WIECKE, CHERYL, Instructor of Education (1999), B.A., M.A. (University of Northern Colorado)
WIECKE, WILFRED, Chair and Professor of Education (1998), B.S., M.S., Ed.D. (University of Northern Colorado)
WILLIAMS, JEFFREY, Visiting Instructor of Management (1998), B.S., M.B.A. (University of Bridgeport)
WILLIAMS, KARRI J. FJELDHEIM, Associate Professor of Education (1984), B.S., M.Ed., Ph.D. (University of Arizona)
WILLIAMS, KENT E., Associate Professor of Engineering (1976), B.A., M.A., Ph.D. (University of Connecticut)
WILLIAMS, ROBERT, Chair and Professor of Education (2001), B.A., M.A., Ed.D. (Nova Southeastern University)
WILSON, BRUCE M., Associate Professor of Political Science (1998), B.A., M.A., Ph.D. (Washington University, St. Louis)
WINNINGHAM, THOMAS A., Assistant Professor (2002), Ph.D. (University of Colorado)
WINTERS, DREW, Associate Professor of Finance (1998), B.S., M.B.A., Ph.D. (University of Georgia)
WIRTH, JEFFREY, Visiting Professor of Film (1997), B.F.A., M.F.A. (Pacific Western University)
WITTA, ELEANOR L., Associate Professor of Education (1999), B.A., M.ED., Ph.D (Virginia Polytechnic Institute)
WOLF, MILTON T., Head, Collection Management and University Librarian (2003), A.B., A.M.L.S. (University of Michigan)
WOOD, ALEXANDER T., Associate Professor of Education (1969), B.A., M.S., Ph.D. (Florida State University)
MICARELLI, CHARLES N., (Physics), M.S., (Env. Engr.), Ph.D. (1969), B.S., B.C.E., M.C.E., M.S.

MCLELLON, WALDRON M., Emeritus of Forensic Science

KERSTEN, ROBERT D., (Pennsylvania State University) (1982), B.A., M.S., Ph.D.

JENKINS, DAVID R., Professor Emeritus of Management (University of Florida) (1987), B.S., M.S., Ph.D. (Yale University), P.E. (Florida, Arizona, and Oklahoma)


CURL, CHARLES E., (Computer Science), M.E., Ph.D. (1964), B.S., M.S., Ph.D.


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)


ROLLINS, JACK B., Professor Emeritus of Psychology (1969), B.S., M.S., Ph.D. (University of Georgia)

SALTER, JOHN H. III, Chairholder, Ernst & 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)

SILFVAST, 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 Emeritus 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)


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, KENNETH, Secondary Joint Associate Professor of Criminal Justice and Legal Studies (2004), Ph.D (State University of New York at Albany)

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 Research Professor of Biology (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)

BILLINGS, 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)

BOREMAN, GLENN, Professor (1998), Ph.D. (University of Arizona)

BRIGHAM, 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, SUBRATO, 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, Biomedical Science Ctr and Molecular Biology & Microbiology (2004), Ph.D. (Univ. of Medicine and Dentistry of NJ)

COLUMBUS, GENE, Department Chairholder, Chairholder, Assistant Professor of Biology (2002), B.A., Ph.D. (Duke University)

CRANES, PETER, Associate Faculty, School of Communication (2002), (University of Central Florida)

DAS, TARA P., Professor of Physics (1999), Ph.D. (Calcutta 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 (1998), B.S., Ph.D. (University of Texas, Austin)

DEATON, JOHN, Assistant Professor of Psychology (1994), B.A., M.A., Ph.D. (Catholic University of America, Washington, D.C.)

DEWIWALI, 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 Southern California)

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, NEELKANTH, Research Professor of Mechanical
FRISTROM, JAMES W., M.D., Ph.D. (University of Texas) Faculty, MLS, Department of Computer Science FOROOSH, HASSAN, (2004), B.S., Ph.D. (Universidad de Chile) Faculty, School of Nursing 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, Courtesy Visiting Artist, School of Film & Digital Media (2003), (University of Queensland) HERBST, LAWRENCE, Assistant Research Professor of Biology (2002), B.A., M.S., D.V.M., Ph.D. (University of Florida) HERNANDEZ, FLORENCIO E., Secondary Joint Assistant Professor of Optics & Photonics: CREOL & FPCE (2004), B.S., Ph.D. (Universidad de Venezuela) HICKEY, MICHAEL H., Courtesy Associate Professor of Physics (2003), Ph.D. (La Trobe University) HICKMAN, JAMES, Secondary Joint Professor of Electrical and Computer Engineering (2004), B.S., M.S., Ph.D. (Massachusetts Institute of Technology) HIBEE, RUSSELL, Courtesy Assistant Professor of Molecular Biology and Microbiology (2004), B.S., M.S., Ph.D. D.V.M. (Oklahoma State University) HOBART, JAMES, Associate Faculty, School of Communication (2002), (University of Central Florida) HOLSJENBECK, DANIEL, Associate Faculty, School of Communication (1985), Ph.D. (Florida State University) HUGHES, CHARLES, Joint Appointment, Professor, School of Film & Digital Media and School of Electrical Engr & 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), M.D. (University of Miami) GOLDBERG, STEVEN, Courtesy Associate Professor of Psychology: Chief, Orlando Field Unit, US Army Research Institute (1994), B.A., Ph.D. (State University of New York at Buffalo) GRIFFIS, SUSAN E., Clinical Faculty, School of Nursing (2002), (Creighton University) GUARDA, LUIS A., Courtesy Professor, Medical Laboratory Sciences (2005), M.D. (University of Chile) HICKEY, MICHAEL H., Faculty Associate, School of Communication and School of Electrical Engineering (2002), B.S., M.S., Ph.D. (University of Texas) FLORY, DAVID, Assistant Professor (2003), (University of North Carolina) FOROOSH, HASSAN, Joint Associate 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 STRANDBURG, 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
PHILLIPS, RONALD L., Secondary Joint Professor of Optics & Photonics: CREOL & FPCE (2004), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)

PICOU, STEVEN, Courtesy Professor of Sociology (2004), Ph.D. (Louisiana State University)

POLIFKO-HARRIS, KARIN, Faculty Associate, School of Nursing (2002), (Old Dominion)

PRICTHARD, PETER C. H., Professor of Biology (1994), B.A., M.A., Ph.D. (University of Florida)

PRICTHARD, ROBERT D., Professor, Management and Psychology (2003), Ph.D. (University of Minnesota)

RAMANLAL, PRADIPKUMAR, Associate Professor, Latin American Area Studies and Finance (2003), Ph.D. (University of Michigan)

REBURN, CATHERINE JEAN, Assistant Research Professor of Biology (2002), BSCH, MSC, Ph.D. (Queen’s University)

REDFOOT, WILLIAM, Research Associate in Biology (1999), B.A., M.A., M.S. (University of Central Florida)

REECE, DOUGLAS A., Assistant Professor of Computer Science B.S., M.S., 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 Art B.A., M.A. (Vermont College)

SAFRANEK, WILLIAM, Clinical Faculty, MLS, Department of Molecular Biology and Microbiology Ph.D. (Temple University)

SCALLIN-PEREZ, JENNIFER, Adjunct Clinical Professor, Health Science

SCHELLHASE, KRISTEN, Adjunct Clinical Professor, Health Science

SCHLEICHKORN, JACOB S., Clinical Faculty, Physical Therapy Ph.D., P.T. (The Union Institute)

SCHULTZE, ALFONS, Secondary Joint Associate Professor of Optics & Photonics: CREOL & FPCE (2004), Dr. rer. nat. (Technische Universität Munich)

SELF, WILLIAM, Assistant Professor, Biomedical Science Ctr and Molecular Biology & Microbiology (2004), Ph.D. (University of Florida)

SELLAR, GLENN, Courtesy Research Scientist of Physics (2003), 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, Assistant Professor (2000), Ph.D. (University of Texas at Austin)

SINGER, MICHAEL JAMES, Courtesy Faculty Associate, Psychology B.A., M.S., Ph.D. (University of Maryland)

SLIFKO, THERESA, Courtesy Assistant Professor of Molecular Biology and Microbiology (2004), B., M.S., Ph.D. (University of South Florida)

SOLTIS, JOSEPH, Courtesy Research Assistant Professor of Biology (2004), B.A., M.A., Ph.D. (University of California, Los Angeles)

STAMPER, MICHAEL, Assistant Research 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)

STEVIE, FREDERICK A., Research Professor of Materials Science A.B., M.S. (Vanderbilt University)

STONE, DIANNA L., Professor of Psychology (2003), Ph.D. (Purdue University)

STONE-ROMERO, EUGENE F., Professor, Management and Psychology (2003), Ph.D. (University of California, Los Angeles)

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 Biomolecular Science Center (2004), B.S., Ph.D. (University of California, Berkeley)

THOMPSON, CORELY 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 & FPCE (2004), B.S., M.S.E.E., Ph.D. (University of Central Florida)

WHEELER, RAYMOND, Professor, Biology (2003), (Utah State University)

WHISLER, MARILYN W., Associate Professor in Political Science B.A., M.A., Ph.D. (University of Wisconsin)

WHITCOMB, CARRIE, Professor of Forensic Science (1999), B.S., M.S.F.S. (George Washington University)

WILLIS, JAYNE, Courtesy Clinical Faculty, School of Nursing (2005), B.S.N., M.S.N. (University of Florida)

WITHERINGTON, BLAIR ERNEST, Research Assistant Professor, Biology (1999), B.S., M.S., Ph.D. (University of Florida)

WU, SHIN-TSON, Secondary Joint Associate Professor of Electrical and Computer Engineering (2004), B.S., Ph.D (University of Southern California)

YOUNG, DENISE, Assistant Professor, Social Work (1990), Ph.D. (University of Michigan)

ZARDA, P. RICHARD, Research Professor of Mechanical Engineering B.A., B.S., M.S., Ph.D. (Columbia University)

ZHAO, JIM JIAN, Clinical Faculty, Health Services Administration M.B.A., M.D., Ph.D. (Oxford University and St. Andrews University)

ZELDOVICH, BORIS, Professor of Optics (1994), B.Sc., M.Sc., D.Sc. (Lebedev Physics Institute)

ABNEY, BARBARA COMPTON, Assistant Director, Marketing/Communications (1997), BS in Journalism (University of Florida)

ARMACOST, ROBERT L., Director, University Analysis and Planning Support, and Associate Professor of Engineering (1991), B.S., M.S.O.R., D.Sc. (George Washington University)

ATWELL, RONALD H., Director of Administrative Services, George Mason University (1984), B.A., M.A., Ed.D. (University of Central Florida)

BAKER, BARRY B., Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University)

BALANOFF, JANET P., Director, Equal Opportunity and Affirmative Action Programs (1980), B.S.J., M.S.P.A. (Florida State University)

BARNICKEL, AMY, Senior Executive Assistant to the President (1994), B.A., M.A. (University of Central Florida)

BARNES, BETH, Vice President and Chief of Staff, Office of the President, and Associate Professor of English (1968), B.A., M.A., Ph.D. (University of North Carolina at Chapel Hill)

BERSIA, JOHN, Global Perspectives (2001), M.A., M.S. (London School of Economics)

BESLEY, NANCY, Executive Director of Florida Foundation for Future Scientists (2000), B.A., M. Ed. (University of Central Florida)

BISHOP, PATRICIA J., Vice Provost and Dean of Graduate Studies and Professor of Engineering (1978), B.S.E., M.S.M.E., Ph.D. (Purdue University), P.E. (Florida)

BOLYARD, WENDY L., Assistant Director, Office of Graduate Recruiting (1998), B.S.J., M.A. (West Virginia University)

BONTA, LINDA B., University Controller
UCF Faculty and Administrative Officers

<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DULNIK, DENNIS J.</td>
<td>University Registrar (1999), B.S., M.S., Ed.D. (Montana State University)</td>
</tr>
<tr>
<td>HALL, RHONDA C.</td>
<td>Interim Director of Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)</td>
</tr>
<tr>
<td>BORDEN, M. PAIGE</td>
<td>Interim Director of Institutional Research and University Data Administrator (1996), B.A., M.B.A., Ed.D. (University of Central Florida)</td>
</tr>
<tr>
<td>BROWN, VICTORIA</td>
<td>President Emeritus and Special Administrative Assistant to the UCF Foundation President (1972), B.S., M.S., CHES, CAAPP-2 (University of Central Florida)</td>
</tr>
<tr>
<td>CAPERON, TANYA</td>
<td>Coordinator of REACH Peer Education (2000), B.S., M.S., CHES, CAAPP-2 (University of Central Florida)</td>
</tr>
<tr>
<td>CHAPIN, LINDA</td>
<td>Director, Metropolitan Center for Regional Studies (2001), B.A. (Michigan State University)</td>
</tr>
<tr>
<td>CHASE, DIANE Z.</td>
<td>Interim Assistant Vice President, International and Interdisciplinary Studies, and Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)</td>
</tr>
<tr>
<td>CHAVIS, GORDON D., JR.</td>
<td>Assistant Vice President for Undergraduate Admissions and Student Financial Assistance (1999), B.A., J.D. (Georgetown University)</td>
</tr>
<tr>
<td>CHEREPOW, SANDRA M.</td>
<td>Senior Administrative Assistant to the President (1972), A.A. (Baker Junior College)</td>
</tr>
<tr>
<td>COLBOUM, H. TREVOR</td>
<td>President Emeritus and Special Assistant to the UCF Foundation Chief Executive Officer (1978), M.A., Ph.D. (John Hopkins University)</td>
</tr>
<tr>
<td>COLE, W. SCOTT</td>
<td>General Counsel (2002), B.S., J.D. (University of Florida)</td>
</tr>
<tr>
<td>DEES, DAVID R.</td>
<td>Associate Dean, Enrollment and Academic Services, and Associate Professor of Sociology (1972), B.A., M.A., Ph.D. (University of Notre Dame)</td>
</tr>
<tr>
<td>DIELBER, MARCIA A.</td>
<td>Interim Director of Creative School for Children (1982), B.S. (Ashland University)</td>
</tr>
<tr>
<td>DONEGAN, HELEN</td>
<td>Vice President for Community Relations (1995), B.A. (San Jose State University)</td>
</tr>
<tr>
<td>DRAKE, JAMES A.</td>
<td>Associate Vice President and Director of Southern Region Area Campuses (1994), A.B., Ph.D. (Ohio State University)</td>
</tr>
<tr>
<td>DRESSLER, SHERI</td>
<td>Director, Center for Cooperative Education and Applied Learning (1982), B.A., M.S.W., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>EKERN, SHARON L.</td>
<td>Assistant Director for Multicultural Academic &amp; Support Services (2004), B.A., M.A. (Appalachian State University)</td>
</tr>
<tr>
<td>FAUST, ROBERT</td>
<td>Director for Student Health Services (1965), B.A. (University of South Florida)</td>
</tr>
<tr>
<td>FORD, INEZ</td>
<td>Associate Director for Multicultural Academic &amp; Support Services (1981), B.A. (University of Central Florida)</td>
</tr>
<tr>
<td>FORTIER, VANESSA</td>
<td>Director, University Budget Office (1998), B.S.B.A., M.B.A. (University of Central Florida)</td>
</tr>
<tr>
<td>GAZUE, J. RICHARD, JR.</td>
<td>Associate University Librarian (1998), B.S., M.B.A., M.L.S. (Florida State University)</td>
</tr>
<tr>
<td>GONZALEZ, LYNN</td>
<td>Director, Academic Affairs Administration (1991), B.A., M.B.A. (University of Central Florida)</td>
</tr>
<tr>
<td>GRAF, BETSY L.</td>
<td>Assistant Director, Office of Research (1972), B.S.B.A. (University of Central Florida)</td>
</tr>
<tr>
<td>GRAH, LINDA S.</td>
<td>Assistant Vice President for University Relations and Director of News and Information, University Relations (2000), B.S., M.A. (University of Florida)</td>
</tr>
<tr>
<td>HARTIG, JEANNE</td>
<td>Assistant Vice President for University Relations and Director, University Marketing (2000), B.A., M.A., M.B.A. (Ohio State University)</td>
</tr>
<tr>
<td>HELMS, TERENCE K.</td>
<td>Assistant Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)</td>
</tr>
<tr>
<td>HOLMES, ROBERT J., JR.</td>
<td>Vice President for Alumni Relations and Development and Chief Executive Officer (1998), B.A. (Norwich University), M.A. (University of Maine)</td>
</tr>
<tr>
<td>HOLSENBECK, DANIEL C.</td>
<td>Vice President for University Relations; Senior Counsel to the President (1985), B.S., M.E.D., Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>JENSEN, BERNARD</td>
<td>Associate Professor of Psychology and Director, Eastern Regional Campus (1985), B.S., M.A., Ph.D. (Southern Illinois University)</td>
</tr>
<tr>
<td>JONES, TRACY R.</td>
<td>Director, Admissions and Registration Office of Graduate Admissions and Student Services (1995), B.A., M.A. (University of Central Florida)</td>
</tr>
<tr>
<td>JUNUENEN, DANA</td>
<td>Coordinator for Office of Student Conduct (2003), B.A., M.Ed (James Madison University)</td>
</tr>
<tr>
<td>KATZ, SUSAN RACHEL</td>
<td>Director, Southeast Region, National Consortium for Academics and Sports, Academic Retention and Development (1997), B.S. M.S. (Northeastern University)</td>
</tr>
<tr>
<td>KJUKJ, JEAN C.</td>
<td>Director, Florida-Eastern European Linkage Institute and Florida-Canada Linkage Institute (1985), R.N., Ph.D. (New York University)</td>
</tr>
<tr>
<td>KLEP, PAULA S.</td>
<td>Director of Operational Excellence and Assessment Support (2004), Ph.D. (University of North Carolina)</td>
</tr>
<tr>
<td>LAUKO, BEVERLY B.</td>
<td>Associate Director, Office of Research (1997), B.S.B.A., M.P.A. (University of Central Florida)</td>
</tr>
<tr>
<td>MacKOWN, PATRICIA A.</td>
<td>Assistant 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)</td>
</tr>
<tr>
<td>MASON, GREGORY S.</td>
<td>Director for Greek Affairs (1990), B.A., M.S. (Indiana University)</td>
</tr>
<tr>
<td>McCAY, CHRISTOPHER, JR.</td>
<td>Director of University and Affiliated Housing (1980), B.S., M.S. (Florida State University)</td>
</tr>
<tr>
<td>Academic Advising</td>
<td>23</td>
</tr>
<tr>
<td>-------------------</td>
<td>----</td>
</tr>
<tr>
<td>Advising</td>
<td>23</td>
</tr>
<tr>
<td>39</td>
<td>23</td>
</tr>
<tr>
<td>Amnesty Program</td>
<td>50</td>
</tr>
<tr>
<td>56</td>
<td>50</td>
</tr>
<tr>
<td>Behavior Standards</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>Calendar</td>
<td>23</td>
</tr>
<tr>
<td>Development and Retention</td>
<td>26,27</td>
</tr>
<tr>
<td>Exploration Program</td>
<td>54</td>
</tr>
<tr>
<td>Honors</td>
<td>55</td>
</tr>
<tr>
<td>Programs</td>
<td>59</td>
</tr>
<tr>
<td>66</td>
<td>59</td>
</tr>
<tr>
<td>Regulations and Procedures</td>
<td>39</td>
</tr>
<tr>
<td>50</td>
<td>39</td>
</tr>
<tr>
<td>Satisfactory Progress Policy</td>
<td>91</td>
</tr>
<tr>
<td>34</td>
<td>91</td>
</tr>
<tr>
<td>Services</td>
<td>70</td>
</tr>
<tr>
<td>17</td>
<td>70</td>
</tr>
<tr>
<td>Services for Student Athletes</td>
<td>91</td>
</tr>
<tr>
<td>20</td>
<td>91</td>
</tr>
<tr>
<td>Standing</td>
<td>23</td>
</tr>
<tr>
<td>54</td>
<td>23</td>
</tr>
<tr>
<td>Academic Advising</td>
<td>18</td>
</tr>
<tr>
<td>39</td>
<td>18</td>
</tr>
<tr>
<td>Academic Services for Student-Athletes</td>
<td>47</td>
</tr>
<tr>
<td>20</td>
<td>47</td>
</tr>
<tr>
<td>Academic Exploration Program</td>
<td>70</td>
</tr>
<tr>
<td>20</td>
<td>70</td>
</tr>
<tr>
<td>First Year Transitions</td>
<td>55</td>
</tr>
<tr>
<td>21</td>
<td>55</td>
</tr>
<tr>
<td>Student Academic Resource Center</td>
<td>70</td>
</tr>
<tr>
<td>21</td>
<td>70</td>
</tr>
<tr>
<td>Multicultural Academic and Support Services</td>
<td>28</td>
</tr>
<tr>
<td>26</td>
<td>28</td>
</tr>
<tr>
<td>Honors College, The Burnett</td>
<td>28</td>
</tr>
<tr>
<td>39</td>
<td>28</td>
</tr>
<tr>
<td>Accounting, School of</td>
<td>14</td>
</tr>
<tr>
<td>81</td>
<td>14</td>
</tr>
<tr>
<td>Accreditation</td>
<td>14</td>
</tr>
<tr>
<td>81</td>
<td>14</td>
</tr>
<tr>
<td>Activity and Service Fee Business Office</td>
<td>12</td>
</tr>
<tr>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

- **WILKENING, JAMES**, Associate Director, Office of Student Life (University of Michigan) (1990), B.A., M.S.W., Ph.D.
- **WELCH, KERRY**, Director, Office of Student Life (University of Central Florida)
- **WILKENING, JAMES**, Associate Director, Office for Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)
- **WILLIAMS, ASHLEY B.**, Coordinator of REACH Peer Education and Adjunct Professor (2002), B.S.W., M.A. (Florida State University)
- **WINFIELD, HERBERT H.**, Associate Director, Technology Transfer (2002), B.S.E.E. (University of Florida), M.S. in Engineering Management (New Jersey Institute of Technology)
- **WRIGHT, EARL, II**, Assistant Professor of Sociology (1999), B.A., M.A., Ph.D. (University of Nebraska)
- **YANKELLO, ROBERT**, Director, Computer Services and Telecommunications (2004), B.S., M.Ed. (Pennsylvania State University)
- **YOUNG, DENISE L.**, Associate Vice President, Planning and Evaluation (1990), B.A., M.S.W., Ph.D. (University of Michigan)
- **ZIGLER, MICHELE K.**, Assistant Professor, Nursing (Columbia Commonwealth University)
- **WEIDMAN, DIANA**, Director of Eastern Region Campus Life (1984), B.S., M.A. (University of Central Florida)
- **WELCH, KERRY**, Director, Office of Student Life (University of Central Florida)
### HONORARY DEGREES AWARDED

<table>
<thead>
<tr>
<th>Date</th>
<th>Degree Title</th>
<th>Degree Type</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>William H. Dial, Doctor of Commercial Science</td>
<td></td>
<td>David Albertson, Doctor of Humane Letters</td>
</tr>
<tr>
<td>August, 1974</td>
<td>Fred C. Clayton, Doctor of Professional Engineering</td>
<td></td>
<td>Charles N. Millican, Doctor of Laws</td>
</tr>
<tr>
<td>June, 1980</td>
<td>Thelma Vivian Jackson Dudley, Doctor of Humanities</td>
<td>May, 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
</tr>
<tr>
<td>April, 1982</td>
<td>Robert J. Whalen, Doctor of Engineering Science</td>
<td>April, 1996</td>
<td>Nicolaas Bloembergen, Doctor of Science</td>
</tr>
<tr>
<td></td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>December, 1996</td>
<td>Richard A. Nunis, Doctor of Public Service</td>
</tr>
<tr>
<td></td>
<td>Ferdinand Duda, Doctor of Agricultural Service</td>
<td>May, 1997</td>
<td>Maxwell C. King, Doctor of Public Service</td>
</tr>
<tr>
<td></td>
<td>John Duda, Doctor of Agricultural Service</td>
<td></td>
<td>Joe R. Lee, Doctor of Commercial Science</td>
</tr>
<tr>
<td>July, 1982</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
<td>August, 1998</td>
<td>Trevor Colbourn, Doctor of Humane Letters</td>
</tr>
<tr>
<td></td>
<td>Charles Wadsworth, Doctor of Public Service</td>
<td></td>
<td>Reubin O’D Askew, Doctor of Public Service</td>
</tr>
<tr>
<td>May, 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
<td>May, 2001</td>
<td>Richard M. Karp, Doctor of Science</td>
</tr>
<tr>
<td></td>
<td>Jerry Collins, Doctor of Public Service</td>
<td></td>
<td>Joseph T. Traub, Doctor of Science</td>
</tr>
<tr>
<td></td>
<td>D. Robert Graham, Doctor of Public Service</td>
<td></td>
<td>LeRoy T. Walker, Sr., Doctor of Public Service</td>
</tr>
<tr>
<td></td>
<td>Walter O. Lowrie, Doctor of Engineering Science</td>
<td></td>
<td>James Bacchus, Doctor of Public Service</td>
</tr>
<tr>
<td>December, 1988</td>
<td>Sven Caspersen, Doctor of Engineering Science</td>
<td>December 13, 2004</td>
<td>Dr. G. Vince Amico, Doctor of Science</td>
</tr>
<tr>
<td></td>
<td>John D. Holloway, Doctor of Public Service</td>
<td>December 14, 2004</td>
<td>Dr. Lester Mandell, Doctor of Commercial Science</td>
</tr>
<tr>
<td></td>
<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Index

<table>
<thead>
<tr>
<th>Page</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>Payment Procedures</td>
</tr>
<tr>
<td>32</td>
<td>Financial Assistance</td>
</tr>
<tr>
<td>24</td>
<td>Government</td>
</tr>
<tr>
<td>24</td>
<td>Health Services</td>
</tr>
<tr>
<td>26</td>
<td>Involvement</td>
</tr>
<tr>
<td>25</td>
<td>Leadership Programs</td>
</tr>
<tr>
<td>26</td>
<td>Legal Services</td>
</tr>
<tr>
<td>26</td>
<td>Outreach Programs</td>
</tr>
<tr>
<td>57</td>
<td>Records</td>
</tr>
<tr>
<td>11</td>
<td>Responsibility for University Communications</td>
</tr>
<tr>
<td>25</td>
<td>Rights &amp; Responsibilities</td>
</tr>
<tr>
<td>25</td>
<td>Union</td>
</tr>
<tr>
<td>11</td>
<td>Use of Technology</td>
</tr>
<tr>
<td>20</td>
<td>Student Development &amp; Enrollment Services</td>
</tr>
<tr>
<td>62</td>
<td>Study Abroad Programs</td>
</tr>
<tr>
<td>53</td>
<td>Summa Cum Laude</td>
</tr>
<tr>
<td>48</td>
<td>Summer Attendance Requirement</td>
</tr>
<tr>
<td>86</td>
<td>Teaching and Learning Principles Department</td>
</tr>
<tr>
<td>53</td>
<td>Temporary Student</td>
</tr>
<tr>
<td>21</td>
<td>Testing Center</td>
</tr>
<tr>
<td>75</td>
<td>Theatre Department</td>
</tr>
<tr>
<td>56</td>
<td>Third Attempt Course Repeat Surcharge</td>
</tr>
<tr>
<td>50</td>
<td>TOEFL</td>
</tr>
<tr>
<td>63</td>
<td>Tourism Studies, Dick Pope, Sr. Institute for</td>
</tr>
<tr>
<td>27</td>
<td>Tours, Campus</td>
</tr>
<tr>
<td>29</td>
<td>Transfer Applicants</td>
</tr>
<tr>
<td>31</td>
<td>Transfer Credit</td>
</tr>
<tr>
<td>21</td>
<td>Transfer Services</td>
</tr>
<tr>
<td>35</td>
<td>Tuition Students</td>
</tr>
<tr>
<td>39</td>
<td>Tuition Waivers</td>
</tr>
<tr>
<td>50</td>
<td>UCF Average (Academic)</td>
</tr>
<tr>
<td>52</td>
<td>UCF Employee Registration</td>
</tr>
<tr>
<td>37</td>
<td>UCF Employee Fee Waiver</td>
</tr>
<tr>
<td>76</td>
<td>UCF/USF Accelerated Medical School Program</td>
</tr>
<tr>
<td>16</td>
<td>Undergraduate Studies, Office of</td>
</tr>
<tr>
<td>49</td>
<td>Upper Division, Admission to</td>
</tr>
<tr>
<td>22</td>
<td>Veteran's Services</td>
</tr>
<tr>
<td>51</td>
<td>Withdrawal Policy</td>
</tr>
<tr>
<td>74</td>
<td>Women's Studies Program</td>
</tr>
<tr>
<td>33,34</td>
<td>Work Study Jobs</td>
</tr>
<tr>
<td>33</td>
<td>Academic Resource Center (SARC)</td>
</tr>
<tr>
<td>35</td>
<td>Accounts Office</td>
</tr>
<tr>
<td>52</td>
<td>Attendance and Absences</td>
</tr>
<tr>
<td>53</td>
<td>Classifications</td>
</tr>
<tr>
<td>26,52</td>
<td>Conduct</td>
</tr>
<tr>
<td>23</td>
<td>Disability Services</td>
</tr>
<tr>
<td>50</td>
<td>Refund of Fees</td>
</tr>
<tr>
<td>57</td>
<td>Records</td>
</tr>
<tr>
<td>36</td>
<td>Regional Campuses, UCF</td>
</tr>
<tr>
<td>24</td>
<td>Regional Campus Student Services</td>
</tr>
<tr>
<td>22</td>
<td>Registrar's Office</td>
</tr>
<tr>
<td>50</td>
<td>Repayment Policies</td>
</tr>
<tr>
<td>56</td>
<td>Repeat Surcharge</td>
</tr>
<tr>
<td>63</td>
<td>Research, Institutes and Centers for</td>
</tr>
<tr>
<td>15</td>
<td>Research Park</td>
</tr>
<tr>
<td>38</td>
<td>Residency Reclassification</td>
</tr>
<tr>
<td>24</td>
<td>Resource Center, Off-Campus Student</td>
</tr>
<tr>
<td>36</td>
<td>Returned Check Charge</td>
</tr>
<tr>
<td>33</td>
<td>Room and Board</td>
</tr>
<tr>
<td>97</td>
<td>Rosen College of Hospitality Management</td>
</tr>
<tr>
<td>25</td>
<td>Rosen College of Hospitality Management</td>
</tr>
<tr>
<td>94</td>
<td>ROTC (see Air Force; Army)</td>
</tr>
<tr>
<td>73</td>
<td>Russian Area Studies</td>
</tr>
<tr>
<td>46</td>
<td>SASS Degree Audit</td>
</tr>
<tr>
<td>34</td>
<td>Satisfactory Academic Progress</td>
</tr>
<tr>
<td>50</td>
<td>Schedule Web Guide</td>
</tr>
<tr>
<td>33</td>
<td>School Costs</td>
</tr>
<tr>
<td>30,49</td>
<td>Second Bachelor's Degree</td>
</tr>
<tr>
<td>52</td>
<td>Semester Average</td>
</tr>
<tr>
<td>50</td>
<td>Semester Hours Defined</td>
</tr>
<tr>
<td>50</td>
<td>Senior Citizens</td>
</tr>
<tr>
<td>53</td>
<td>Senior Classification</td>
</tr>
<tr>
<td>10</td>
<td>Sexual Harassment Policy</td>
</tr>
<tr>
<td>18</td>
<td>Shakespeare Festival</td>
</tr>
<tr>
<td>64</td>
<td>Simulation &amp; Training, Institute for</td>
</tr>
<tr>
<td>65</td>
<td>Small Business Development Center</td>
</tr>
<tr>
<td>65</td>
<td>Small Business Institute</td>
</tr>
<tr>
<td>75</td>
<td>Social Sciences Program</td>
</tr>
<tr>
<td>99</td>
<td>Social Work, School of</td>
</tr>
<tr>
<td>75</td>
<td>Sociology and Anthropology Department</td>
</tr>
<tr>
<td>53</td>
<td>Sophomore Classification</td>
</tr>
<tr>
<td>15</td>
<td>South Orlando, UCF</td>
</tr>
<tr>
<td>53</td>
<td>Special Student Classification</td>
</tr>
<tr>
<td>50</td>
<td>State of Florida Employee Registration</td>
</tr>
<tr>
<td>36</td>
<td>State of Florida Employee Fee Waivers</td>
</tr>
<tr>
<td>50</td>
<td>State Tuition Exempt Program (STEP)</td>
</tr>
<tr>
<td>75</td>
<td>Statistics and Actuarial Science Department</td>
</tr>
<tr>
<td>2005-2006 Undergraduate Catalog</td>
<td></td>
</tr>
</tbody>
</table>